	!		londs	TOTAL	Tank has.	Cords/hr.	
13	8/26/94	PM	103	103	92	[1.12]	
13	8/27/84	AM	100	203	98,25	21.02	
14	,,	PM	105	308	95,25	1.10	1.11 8 hes -
9,5	8/28/94	Am	25	403	76.00	(1.25)	glands per 8 has.
6	"	1m	40	YY3	38,00 3995	1.05	
7	8/29/94	PM	28	47/	48.25	,58	
4	8/30/94	PM	9	480	33.75	,27	
2	8/31/94	PM	Ý	484	25.75	.16	
	9/1/94	_ IM	2	486	4.5	. 44	
					511.75		
					- ,		
	pecitos &	6.p 4/4/98 "P	an Hope" =	562 land	<u></u>		
						<u>_ST</u>	
		6800 -	562 - 1	0.68 M.T.	ns per lood	11.77	
		6000 +	486 = 12	2,35 11	<i>(1 1)</i>	13.62	
							:
		Avg. 9 loads	per 3 hr. shi	et pen druck	<u> </u>		<u> </u>
***********	-	19× 12.35	M.T = 111.	15 - 8 =	= 13,89 M.T	/he.	
		6000 + 1	3.39 - 4.	31.97 lades	, <u>40</u>		
		511.75-	432 = 7	9,75 X	6000 = 4	735,00	
		-					
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PENCIL PITCH	SHIP 8/26	/94					
DRIVER	8/26 P	8/27 A	8/27 P	8/28 A	8/28 P	8/29 P	8/30 P
ABBOTT BAER BRADEN	7.5	9.\u00f3 8.0	6.75	7.0 -	7.75~	7.75	13.25
BUTTENS BLANTON		7.75	7.75-	8.0 -			The second secon
K FUNNELL M FUNNELL	8.0	8.0-	6.5		7.75~	8.0 -	
HALSTROM HAHN KULAKOSKI	8.0 - 5.5 -	8.5 %	7.75- 7.53	8.5 - 8.25 -		5.25 <i>3</i>	
KULAVIK KIRK	6.75	7.5 - 7.5 -	7.25			•	
LEBOKI LAMB LA RUE MCGRATH	8.0 ~ 7.5 ~ 7.5 ~ 6.5 ~	7.0 - 8.0 -	6.5 - 7.5 - 7.25 ? (3.75)	8.0 - 7.75 -	2.5-		6.5
STEPHANIE SWITZER TOMAN THATCHER WATSON	6.5 ′ 8.0 ′ 8.25 ′ 4.0 ′	6.0~ 9.0? 7.5~	6.5 - 5.0 - 8.0 - 6.75	8.5 -	7.75- 6.5 7 8.75?	8.0 - 7.5 ? 6.0 ?	13.5 7
WILLIAMS BLACKWELL REMSING SAMPLE		7.5	8.0 — 7.5 —	4.0 - 8.0 -		1.0	
		3	4		3	, 5- , 5- , 5- , 5-	3.5
TOTAL HOURS	92.00 1	01.25 9	9.25	76.00	41.00	50.75	37.25
0 60.00 HR 5	520.00 60	75.00 59	55.00	4560.00 2	460.00		2235.00
TOTAL FROM 8/	26 THRU 8/3	0	\$2985 (96)	0.00 0.00)			
CAII 3 bills			\$ 28,99			1	6 hes
527.75		JJV				×	60
511.75 × 60		and the second	3-438		a de la companya de l	#	960
30,705		IDS., INC. ID, OR	PORTLAN				
614.10	Net				**************************************		
30 080.90	A Albert	1, 9/19/94		- Contra	المعادي المستوجع		



PENCIL PITC	H SHIP 8	/26/94					
DRIVER	8/26	P 8/27	A 8/27	P 8/28 2	A 8/28 1	8/29 P	8/30 P
ABBOTT BAER BRADEN	7.5	9.0 8.0	6.75	7.0	7.75	7.75	13.25
BUTTENS BLANTON		7.75	7.75	8.0			
K FUNNELL M FUNNELL	8.0	8.0	6.5		7.75	8.0 8.25	
HALSTROM HAHN	8.0	8.5	7.75	8.5			
KULAKOSKI KULAVIK	5.5 6.75		7.5	8.25		5.25	
KIRK LEBOKI	8.0	7.5 7.5	6.5				
LAMB . LA RUE MCGRATH	7.5 7.5 6.5	7.0 8.0	7.5 7.25	8.0 7.75	2.5		6.5
STEPHANIE SWITZER	6.5	6.0	6.5	8.5	7.75	8.0	13.5
TOMAN THATCHER WATSON	8.0 8.25 4.0	9.0 7.5	5.0 8.0 6.75	8.0	6.5 8.75	7.5 6.0	4.0
WILLIAMS BLACKWELL		7.5	8.0 7.5		-	-	
REMSING SAMPLE				4.0 8.0			
TOTAL HOURS	92.00	101.25	99.25	76.00	41.00	50.75	37.25
@ 60.00 HR	5520.00	6075.00	5955.00	4560.00	2460.00	3045.00	2235.00
TOTAL FROM	8/26 THRU	8/30	\$298	50.00			
	8/31	9/1					
ABBOTT SWITZER	12.75 13.00 25.75	4.5	= 521	7.75 has.			
TOTAL TOTAL		,665.00					



103 Londs

Material Hauled												
Origin	74			∠ Destina	ation	spper	<u> </u>	lob#_				
Starting Time 40	<u> </u>	nch Time .	100/1	1:00	Ending Time	315	Total F	lours_	8:15			
Rate												
Truck # 179		Trailer #_	BK	<u>5</u>	OR PUC #		TAR	E Wt _	29,600			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		TIME	DOWN TIME OR STAND-BY	TONS	VARDS		REMARKS OR HAUL TKT #			
Koppers	430 750	500	5:10	727	1	hovel	T4	1				
Kozzem	835	849	904	907	. 3	trong	74					
Token	1975	1137		1144	5	Lood	74					
Koren	1240	100	115	113	7	Lovel	TY					
Lojepen	200	204	234	240	9	Lovel	74 174					
								-				
				1	$-\bigcirc$							
					7							
				\								
						/						
									·			
TOTALS												
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage.												
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.												
Driver Name Contracting Company	Contracting Company Signature Thomas Roberts Tolling Company Signature Thomas Company Signature											



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062 Material Hauled Customer Destination. Ending Time__ Rate _Total Earnings Truck # Trailer # OR PUC# TARE Wt **PLANT PLANT DUMP DUMP DOWN TIME** NET NET REMARKS TIME **DELIVERED TO** TIME TIME TIME OR TONS **YARDS** OR IN OUT IN: OUT STAND-BY **HAULED HAULED HAUL TKT #** 8 loads TOTALS Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. **Driver Name Driver Signature** (printed) Contracting Company Signature_



Date O	' '	· ·		:	J. J.	1	100	
Material Hauled	1,00	Vital		Custo		ERS		
Origin		,		Destina	ation Valories	5 HW	130.	Job #
Starting Time 7	Lur	nch Time	1 hr		Ending Time	3:3c	Total F	
Rate		Per					nings	
Truck # 199					OR PUC #			EWI 37,1700
			·	<u> </u>		T	1 - 5.34 - K. 197	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	
KODERS	8:00	क्षा						
	B :55	977£						
	7/30	7 3	3				, , , , , , , , , , , , , , , , , , , ,	
<u> </u>	1/25	53	2					· · · · · · · · · · · · · · · · · · ·
	1:10	1.00	les					California de Ca
	B :12	C_{E} , G		(10)				A STATE OF THE STA
	-			,				$\overline{(7)}$
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	 						11. 7	
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TOTALS	-							
TOTALS								
Tickets must be signe	ed and sub	mitted at	the end	of each	day for paymer	nt.	The sport of the Contract of t	
Note: Owner/Operator	responsible	e for all in	surance	and any/a	all property dama	age.		
Note: Record your time		`						
It is your respons					Offig.		<u></u>	A Company
Charge standby t	time for an	ything ove	er 15 miņ	utes.		- /		
If you don't get it	on your tic	ket you w	ill not be	paid for i	t.			γ
	\sum_{i}	12.	, ; . To	<i>!</i>		d 1	1)_	TX K
Driver Name	1 Sept	- (<u>)</u>	4-111		Driver Signa	ature 🔼	1171	143 / /
Contracting Commence	\ Clamature	(printed)	د ا		00	· -	The Special Control	
Contracting Company	Signature	?	4019	110	the war			
			-		آيات پر ترجيسون النواز ا	ergen		



Material Hauled	Pite	4		Custo	omer_ <i>KO</i>	ODEF	PS 5	n In		
Origin				Destina	ation 75%	SNW	5 7 May 2	dob #		
Starting Time 50	<u>U</u> Lur	nch Time .	_/		Ending Time	<u> </u>	Total F	lours		
Rate	<u> </u>	Per_	<u>'</u>			Total Ear	nings			
Truck #										
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT		NET TONS HAULED	1		MARKS OR JL TKT #	
	7100		735 730 1130 1213 1213 1213							
TOTALS						,				\exists
Tickets must be signed Note: Owner/Operator Note: Record your time It is your respons Charge standby to If you don't get it	responsible to the nea tibility to ge time for any on your tic	e for all in rest 1/4 h t all ticket thing ove ket you w	surance a our on to s signed. er 15 minu ill not be	and any/a tal hours utes.	all property dama only.	age.	A Su	h		
Note: Owner/Operator Note: Record your time It is your respons Charge standby	responsible to the nea tibility to ge time for any on your tic	e for all in rest 1/4 h t all ticket thing ove ket you w	surance a our on to s signed. er 15 minu ill not be	and any/a tal hours utes.	all property dama only. t.	age.	A Su	A.		



Material Hauled Per	icil	PITC	<u>h</u>	Customer Koppers								
Origin of Haul Tern	14				O. BEALL							
Date 8-26-9	/ Star	ting Time	5.0	0	Lunch Time	/	Ending 1	Time <u>2.30</u>				
Truck # _/ 7 /		Rate \$_			Per		Tota	ll Hours				
Total Earnings					Tare WT_							
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS				
Koppers. Portiny	10,00	12:45	11.40	11.45 12.20 1.00 1.50								
TOTALS					9Lo	DC/1	5					
Tickets must be signed and submitted at the end of each day or payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.												
Driver Name Frech	Contracting Company Signature Froze Before Brown Both Brown Brown											
•			V	10								



Date per la constant de la constant	 	212			2/			
Material Hauled	1. 1. 1º	10/1		Custo	mer <u>Kapipa</u>	<u> </u>		
Origin Zazan 4				Destina	ation <u>Alexander</u>	15 ATO.	<i></i> Job	#
Starting Time 💪 🚜 🗀	Lur	nch Time	1 /	<u>/</u>	Ending Time_	230_	Total Hou	#rs
Rate		Per_				Total Eari	nings	
Truck # <u>/ 33 / / /</u> 2	59	Trailer #_	Bd 11	<u> </u>	OR PUC #	MAU 1	AZZ TARE V	MI <u>35 000</u>
DELIVERED TO	1	PLANT TIME OUT		1	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT#
Reppers	6 30 7 10 3 2 3 11 00 12 5 13 5	6 50 5 7/3 5 7/3 6 7/4 6	5 10 3 7 1 7 12 13 6 17	9.3 303 12.63 13.6		6	lon 15	
TOTALS								
Tickets must be signe Note: Owner/Operator r Note: Record your time It is your respons Charge standby ti If you don't get it	esponsible to the nea ibility to ge ime for an	e for all in trest 1/4 het all ticke ything over	surance nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama only. t.	age.	J. 1801.	
Driver Name	17	(printed)	1	1 10	Driver Signa	ature <u>/<!--</u--></u>	1 711/11	<u>V</u>
Contracting Company	Signature		nge_	[taff 20	1		·	<u>'</u> ,



Date <u>6 - 26 - 75</u>		~	_			5/1/2		.*
Material Hauled Pe	ncil	12.7	CH	Custo	mer Kupp	E725	· 	
Origin T= 4				Destina	ation <u>Kuppe</u>	77.3		lob #
Starting Time 6-180	CLui	nch Time.	DE	ACLH	Ending Time C	300	Total F	lours <u>9</u>
Rate		Per_				Total Eari	nings	
Truck #		Trailer #_	Bd-1	5	_OR PUC #		TAR	EWI 17,2
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	TONS	NET YARDS HAULED	REMARKS OR HAUL TKT#
	2005 2035 2110	2020 2050 2130	2145	7027 2100 2200			2 &	
(5)	2330 1215 1250	2310 2340 1270 0120	235P 1233 0129	1234 0130*			LC	ADS
6	0140	0.65	0204	0300			•	Quiting Time-
					V.			
TOTAL	-		•					
Note: Owner/Operator re Note: Recognour time It is your responsi Charge standby ti If you don't get it o	esponsible to the near bility to ge me for an on your tice	e for all in arest 1/4 h et all ticke ything ove ket you w (printed)	surance our on to ts signed er 15 min	and any/a Ital hours utes.	all property dama only.	age.	8	
Note: Owner/Operator re Note: Record your time It is your responsi Charge standby ti	esponsible to the near bility to ge me for an on your tice	e for all in arest 1/4 h et all ticke ything ove ket you w (printed)	t the end surance nour on to ts signed er 15 min	and any/a Ital hours utes.	all property dama only.	age.	8	



arting Time 5.0	O Lur		1 17	r_				rs 8/2
ute		Per_	131	29	OR BLIC # M	Total Earl	nings	Mt.
DELIVERED TO	1. 254	PLANT TIME OUT	3.	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
2 3 4	5:30 8:40 8:40	7/05 4:05		872.5 9.20				
2	12:00	17.50	.	11:45	<u> </u>	441	C17 .	
	1703		2,30	225		81	120	ADS
TOTALS								
kets must be signere: Owner/Operator re: Record your time It is your responsi Charge standby ti	esponsible to the nea bility to ge me for an	e for all in arest 1/4 h et all ticke ything ove	surance our on to ts signed er 15 min	and any/a Ital hours utes.	all property dama		٠.	
If you don't get/it over Name	on your tig	kgt you y	rill not be	paid for it	t. Driver Signa	a	Ill E	15



Date _ 8 - 4 6 - 9 9				, ,	X				
Material HauledP	LTCH			Cuşt	merKo	PPERS	INDUS	57R1ES	-
Origin <u>T4</u> Po	RTOF	PORTL	AND	Destina	ation <u>KOPPE</u>	RS YAR	? o	Job #	
Starting Time 5 00	<u>PM.</u> Lur	nch Time .	1 H	R	Ending Time	3'.00 A.	<u>M . </u> Total F	lours 9 HRS	
Rate		Per	•		,	Total Ear	nings		
Truck #		Trailer#	RDI	1	OR PUC # /	_ 41K42	2.7 TAF	E Wt	
	T	PLANT	£						
DELIVERED TO	TIME IN	PLANT TIME OUT	TIME	DUMP TIME OUT	OR	TONS	NET YARDS HAULED	OR	-
KOPPERS YARD	615	735		745					
	800	815 855 940		830		ļ	1	5	
	925	941		910			DAN	<u> </u>	\dashv
	1015		<u> </u>	1120		1 Cit			\dashv
	1015	1145	1	1200		\ \ \			
		1220	W. Arthur Market	1235					
	1250	115	_	130					<u> </u>
<u> </u>	145	155		205					
	225			300	QUITT	NG FI	m. E.		-+
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TOTALS									
IUIALS									. لــــــ
Tickets must be signed	d and sub	mitted at	the end	of each	day for paymer	nt.			
Note: Owner/Operator re	esponsible	e for all in	surance	and anv/a	all property dama	age.	·		
				-		.go.			
Note: Record your time It is your responsi	to the nea	irest 1/4 n It all ticket	our on to	tai nours	only.			:	
Charge standby til									
If you don't get it o					t.				
, ,	,	,		F-31-3-1-3-1-					
Driver Name	LIMI	STROM			Driver Signa	atura Ind	2 1/0	t	
ci italiic	17/166	(printed)		11 .	Driver Signa	aluie France	Nan	Mary College	
Contracting Company	Signature	700	D-18	140/	man				
									er in



Date	ユソ					· ·		
Material Hauled	7, to1	/		Custo	omer/C	pper	5	
Origin 74				Destina	ation <u>/ a</u>	POUR	J	ob #
Starting Time	Lur	nch Time .	عصنعتهم با		Ending Time	300	Total H	ob#
Rate		Per_				Total Ear	nings	
Truck #		Trailer #_	13/	12	_OR PUC #		TAR	Ë Wt
DELIVERED TO		PLANT TIME OUT			DOWN TIME OR STAND-BY		NET YARDS HAULED	REMARKS
	11 20 14 15 15 15 15 15 15 15 15 15 15 15 15 15	124	1250	133	· ·			
								3
	VL.							
TOTALS								
Tickets must be signed Note: Owner/Operator re Note: Record your time It is your responsil Charge standby til If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 h et all ticke ything ove	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama			
Driver Name)) / / \	(printed)	14.7	tsein	Driver Sign	ature	port of the second	and the second s
Contracting Company	Signature				2011	11		



Date 8-26.94		3			11				
Material Hauled PE	NCI)	ITCH.		Custo	omer <u>Korff</u>	ers n	150		
Material Hauled PE	tof y	Bette.	ud_	Destina	ation <i>Kopp</i>	ers (H	~1 30) Joi	b#	
Starting Time \$500	Lur Lur	nch Time	144	2	Ending Time	300 A	▲ Total Ho	urs 9_#	
Rate		Per_		·		Total Ear	nings		· .
RateTruck #		Trailer #_	80	1	_OR PUC #		TARE	Wt	-
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED			
KOPPERS	430	745	0755						1.35 +35
	900	120	936	933				,	
	945	13/0	1134	11-10		100	05		_
	1235	110	120	12.35	8	700			
	35	230	200		N. C.			 -	- .
	***	Z 3/4J	A 107 Ld	200					
	 						1 900		
		,	-					·	-
									22.00
	-								
								`	
TOTALS									
	<u> </u>			i		<u></u>			
Tickets must be signe									
Note: Owner/Operator in Note: Record your time It is your respons Charge standby to If you don't get it.	to the nea ibility to ge ime for an	rest 1/4 het all ticke	our on to ts signed er 15 min	ital hours utes.	only.	age.			,
Driver Name		Att	M WE	<u> </u>	Driyer Sign;	ature	伊建	100	
Contracting Company	Signature	(printed)		5.(Dell	4			



5419 N.E. 88th St. Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062 Customer_ Destination $N.\omega$ Ending Time 2 1154 m p. m. Lunch Time Starting Time 6 Rate Total Earnings Trailer # BD# 2 OR PUC #_<u>[</u>] Truck # TARE Wt **PLANT DOWN TIME PLANT DUMP** DUMP REMARKS NET NET DELIVERED TO TIME TIME TIME TONS YARDS OR TIME OR **HAUL TKT#** IN OUT IN OUT STAND-BY HAULED HAULED LOADS 7:55 9:45 100 2:15 TOTALS Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Signature R. Kosler **Driver Name** Contracting Company Signature



Date 870/6		$\overline{}$						•
Materiàl Hauled <u>Coo</u>	ltar	Pife	h	Custo	omer Kopper	es		·
Origin 7-4 Porto	F Borto	and		Destina	ation <u>Koppe R</u>	25 April	<u> (30)</u> .	Job #
Material Hauled Coal Origin 7-4 Porto Starting Time 500	rv! Lur	nch Time .	1 HR	<u>-</u>	Ending Time	300A	√∕ Total F	lours 9
Rate								
Truck # 182		Trailer #_	BD 1	6	_OR PUC #_ <u>N</u>	IBK 17	<u>a</u> tar	EWI 3500
DELIVERED TO	TIME	PLANT TIME OUT	TIME	TIME	OR STAND-BY	TONS HAULED	HAULED	» OR
	600 BSO 1140 1227 126 212 300 F	139	750 833 1121 1210 108 150 231	155	SILG BICAX	lown	3 4 5 6 8	
TOTALS								
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it of Driver Name Contracting Company	to the near bility to ge me for any on your tic	e for all in trest 1/4 h at all ticket ything ove ket you w (printed)	surance our on to is signed or 15 min	and any/a tal hours utes.	all property dama only	nge.		
			ø					-



Į	DAT Shipt
7.	5970
7	100 10 Ads

Trailer # NT PLANT TIME OUT	DUMP TIME IN 956 1075 1075	DUMP TIME OUT 930 1002 1050 1133	OR PUC # // DOWN TIME OR STAND-BY	NET	NET YARDS	OR
PLANT TIME OUT	DUMP TIME IN 2005 1005 1005	DUMP TIME OUT 1007 1007 1050	DOWN TIME OR STAND-BY	NET TONS	NET YARDS	REMARKS OR
TIME OUT	TIME IN 2005 1045 1147	730 730 700 7050 7133	OR STAND-BY	TONS	YARDS	OR
750 101/35 108 305 8 405	1005	100% 1050 1153	3		,	
1 1 1 1 5	1095	1153			,	
7 148 7 150 8 405	158	1153				
7 148 7 150 8 405	158			-		
35 405	1000	200				
5 765	1000	2,525		· ·	, I	had ty from at Man
2/4/5	500	721				ļ
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arting Time 8:00	Lur	nch Time	19CC	<u> </u>	Ending Time	HSE	5 Of Pal H	ob#
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Origin	4/			Destina	ation <u>Ko</u> /	Prs	· · · · · · · · · · · · · · · · · · ·	Job #
Starting Time 6 6 6	> Lui	nch Time			Ending Time		Total F	lours
Rate		Per_	·	_		Total Earl	nings	
Truck # 1 7 7	7	Trailer #_	130	12	_OR PUC #		TAR	iE Wt
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Driver Name	<u>-e</u> -d	Busey	<u> </u>	<i>f.</i>	Driver Signa	ature	ifSa	<u> </u>
Contracting Company	Signature	(printed)		/	A STATE OF THE STA			



Material Hauled	enc	ile	PiT	2h		_Customer	Kopp	: (5	<u> </u>
Origin of Haul 7- 1/					Job No.	· .	Trailer	No. <u>vew</u>	<u> </u>
Date 8-27-9	/_ Star	ting Time	7:0	0	Lunch Time		Ending	Time 4:30	_
Truck #	<u> </u>	Rate \$			Per		To	tal Hours	5
Total Earnings			•		_				
DELIVERED TO		PLANT TIME OUT			DOWN TIME	NET TONS HAULED	NET	REMARKS	
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Driver Name Rabe	ナル (printed)	illia	m 5		Driver Sigh	ature Rob	edf/1	Villies_	_
Contracting Company S	Signature								-



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date_

Material Hauled	PI	Tch		Custo	omerK	opper	e 5	ob #
Origin	4	··	·	Destina	ationKa	PPER	2 Jo	ob #
Starting Time 0 1	<u>مح Lu</u> r	nch Time		HA	Ending Time	4 =	Total Ho	ours
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Truck #	5	Trailer#_	B	011	_OR`PUC #		TARE	Wt
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Contracting Company	Signature	(printed)	1					•
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Starting Time	<u>ت ر</u> Lu	nch Time	200 -	-1:00	Ending Time	<u> (30 </u>	Total Ho	b#
Truck #								
DELIVERED TO	PLANT	PLANT TIME OUT			DOWN TIME OR STAND-BY	NET	NET YARDS	REMARKS OR HAUL TKT #
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TOTALS		 		 				



Material Hauled PENCIN PITCH Customer KOPPERS Origin Destination KOPPERS Starling Time \$100 Lunch Time INTR Ending Time \$100 Total Hours \$17 Rate Per Total Earnings Trailer # BD /Y OR PUC # TARE WI DELIVERED TO TIME TIME TIME TIME OR HAULED HAULED HAULED HAULED HAULED HAULED HAULED TORY TONS VARDS OR HAULED HAULED HAULED HAULED STAND-BY HOULED HAULED HAULED STAND-BY HOULED HAULED HAULED STAND-BY HOULED HAULED STAND-BY HOULED HAULED HAULED HAULED STAND-BY HOULED HAULED HAULED STAND-BY HOULED HAULED HAULED HAULED STAND-BY HOULED HAULED HAULED STAND-BY HOULED HAULED HAULED STAND-BY HOULED HAULED HAULED STAND-BY HOULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED STAND-BY HOULED HAULED HAULE	Date <u>() / 2 / / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 /</u>	- 11011	خ	ite		KAP	PCRC				٠.
Starting Time \$\frac{\text{PCO}}{\text{Lond Time }}\$ Lond Time \$\frac{\text{Lond Time }}{\text{Rate}}\$ Per Total Earnings Truck # \$\frac{\text{Lond Time }}{\text{Trailer # }}\$ D \$/Y OR PUC # TARE WI DELIVERED TO \$\frac{\text{Time Time }}{\text{Time Time }}\$ Time \$\frac{\text{Time Time }}{\text{Time Time }}\$ D \$\text{UMP DUMP DOWN TIME }}{\text{NON Time Time Time }}\$ ON \$Time Time Time Time Time Time Time Time									1.a.b. #	· · · · · · · · · · · · · · · · · · ·	
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TOTALS Ickets must be signed and submitted at the end of each day for payment. Ote: Owner/Operator responsible for all insurance and any/all property damage. Ote: Record your time to the nearest 1.4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will out be paid for it.	DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	***	REMARKS OR HAUL TKT #	
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Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Signature (printed)	ote: Owner/Operator re	esponsible to the nea	e for all in arest 1/4 h	surance our on to	and any/a tal hours	all property dama					
(printed)	Charge standby tin	me for an	ything ove	er 15 min	utes		(1	J Sh	16	7	
	iver Name/		(printed)	مانيان العدر مانيان	1	Driver Sign	ature			-	
	ontracting Company	Signature	• •	1	72						77



Material Hauled	tencile	Dicth	·	_ Customer	Koi	opers
Origin of Haul	74	1 :	Job No	1	, , }	No. BD2
Date 8/27	Starting Time	8:00A	M Lunch Time _	HR	Ending	Time 4:45 DM
Truck #\\67			Per			
Total Earnings			Tare WT_			783/4 HB
DELIVERED TO	PLANT TIME IN OUT	DUMP DUM TIME TIM IN OU	E OR	NET TONS HAULED	NET YARDS HAULED	REMARKS
Loppos (Partland)	7:50 9:25	939 95	14/1	Had to	cleans	pill on back of filer
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TOTALS	 		*			
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Charge standby t If you don't get it	ime for anything ov on your ticket you	er 15 minutes.			R	Hanc
Driver Name VI	(printed)	11/8	Driver Sign	nature 14/	ay as	PMA, 7
Contracting Company	Signature	XIJO,		·		



Date 0 2 7 9 9							•	
Material Hauled Pe	encil	P.T.	H	Custo	omer Kop	PERS		
					1			Job #
Starting Time 070	<u> Lur</u>	nch Time .	4	IHr.	Ending Time	1700	Total F	lours
Rate		Per	, 4	***		Total Earr	nings	•
Origin	****	 _Trailer #_	Bd-	-15	_OR PUC #	; 3	TAF	RE Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT		NET TONS	NET YARDS	REMARKS OR HAUL TKT#
ST. Helen's Rd.	0700	0720	0730	0731	/			
	0745	0750	0810	0861	V		4.1	
	0915	0880			3		7	
	1025	1040	1003	1000	4	**	***	
	1105	1135	1145	1146	6	- 1 ₂		
	1300	1355		1401	7 3		4	
	1420	1455						TIZAIN
<u> </u>	1625	1600	1615	1700	10			
	1000	10 10		1700		 		

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TOTALS								
rickets must be signed	d and out	mittad at		l of soch	da fau ma			
Note: Owner/Operator re						age.		
lote: Record your time	to the nea	rest 1/4 h	our on to	tal hours	only.			
It is your responsi	bility to ge	t all ticket	s signed					
Charge standby till if you don't get it c	me for any	Ining ove	er 15 min ill not bo	utes.	, •			
de Community (`)			paid for I	ι. •			
/<	randy	. Ion	IAN			P		
Oriver Name		(printed)			Driver Signa	ature	>	
Contracting Company	Signature							•
	3							
* 26. 4.7								



Material Hauled Pen	cil	Pitch	· · · · · · · · · · · · · · · · · · ·			Customer	Koffer	^s
Origin of Haul <u>Term</u>	4	14			Job No		Trailer l	No. Beall
Date 8-27-911	Star	ting Time	200		Lunch Time	1	Ending	Time
Truck #		Rate \$ _			Per	·	To	Timetal Hours
Total Earnings		· 			Tare WT			<u> </u>
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME . OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS
KOPPers	300 8,50	8.25	8.40	8.40				
PORTLANIE!	9.50	9.15	930	9.35				
	10.30	10,50	11.00	11.00				
	11.10	11.30	11:30	11.50				
	1.55	2.15	2.25	2.30				
	2.40	3.45	333	400				
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TOTALS				-				
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Tickets must be signed				•				
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Driver Name	/ / f)	Rue		,/ A	Driver Sign	ature	reelTo	a Rue
Contracting Company	Signature	-Su	orgh	Hoffs	na			· ·



Material Hauled	al Ta	r P	itel	ر پ_Custo	omer_/10/0	ers /	116,	
Origin 7-4 1								ob#
Starting Time 800	7 M Lui	nch Time	IHR		Ending Time_	30	Total H	ob#
Rate		Per_	HOUR) 		Total Earl	nings	
Truck # 182					OR PUC #	DBK T	75 TAR	EWI 35000
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	1	REMARKS OR HAUL TKT #
~	800	<i>54</i> 5_	<u>8855</u>	857		7		
	703	700	935	940		1-2	· · · · · · · · · · · · · · · · · · ·	
	16.79	1009	1001	1025		1-3		
	1200	120	132	137		4-	 :	
	150		228	231		6		
,	245	405	420	422		7		
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TOTALC	 							
TOTALS	L							
Tickets must be signe	d and sub	mitted a	the end	of each	day for paymer	nt.		•
Note: Owner/Operator r							•	
Note: Record your time It is your respons Charge standby t If you don't get it	to the nealibility to ge ime for an	arest 1/4 het all ticke ything ove	our on to ts signed er 15 min	tal hours utes.	only.		<i>[</i>	
Driver Name	Idl_	(printed)	011	16.1	Driver Sign	ature	ull	JUX AV
Contracting Company	Signature		'`		/A	•		- Section



tarting Tim	A Company of the Comp					ation		•	lours
	•	•							•
) = \A/+
TUCK #	//	T	_rraner#_		· ·	_ OR PUC #	1	IAF	RE Wt
DELIVE	RED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	
Soppers	Ord.	829	8.41	3:5%	8 58				\
5 Heler	5 pt i	9/11	9-04	9 31.	2:32	<u> </u>		,	<u> </u>
<u> </u>	The stry	11.50	10 0%	20.18					,
			110						``
		1.35	1155	200	5 1				
		2.3%	ऄॱऽऽ	(# (67.0) 	7.30				The state of the s
	1	3.2							
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TOT									





Origin of Haul 74	∫ o v~	ing Time	erTla	nd Am	Job No	1 1/4-	Trailer I	No End Dump Time 3,00 AM
Truck #								
Total Earnings					,			· ·
DELIVERED TO		PLANT	DUMP	1	DOWN TIME OR STAND-BY			REMARKS
Koppers Judustaics Juc Portland Ove	12.55	1100	12135	1,20	hunch		Lead Lead Load Load	
	1125	7.35	3,05	2,20			5 food	
				4.				
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	70.1.							
TOTALS			,					
Tickets must be signed a Note: Owner/Operator re Note: Record your time to It is your responsible Charge standby till If you don't get it o	esponsible to the nea pility to ge me for an	e for all in trest 1/4 h t all ticke ything ove	nsurance nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama	age.	. 0	



SAT NITHAT TOURS

Origin $\frac{DGC}{AB}$, , , , , , , , , , , , , , , , , , , ,			Destina	ation	J0	bb #		
tarting Time 63						- -,			
ate		Per_				Total EarningsTARE Wt			
ruck #		Trailer #_	196	<i></i>	_OR PUC #	TARE Wt			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT#	
	100	725 100 725 1000							
	1 30	133 1235 123 230						7 Monk has	
		3. 30		4	4				
	-								
TOTALS									
ckets must be signed ote: Owner/Operator ote: Record your time It is your response Charge standby If you don't get it it is your name	responsible to the neasibility to ge time for any on your tic	e for all in trest 1/4 h et all ticket ything ove ket you w	surance our on to s signed er 15 min ill not be	and any/a tal hours utes. paid for i	all property dama only.	age.). V	, ,	



Material Hauled	PENCIL	Pre	d	Custo	omer Zol	PERS	M 56	
Origin	4			Destina	ation _ KOPP	ERS CA	h430) s	ob #
Starting Time 654	<u>PM_Lur</u>	nch Time	1 40) 	Ending Time	230 an	Total H	ours
Rate		Trailer #	Bo	14	_OR PUC #		TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		DUMP TIME OUT		TONS	YARDS	
Kollses	0658							
	2980		920	926				
	135	1/20	1130	1146				10/30 MO. Nrs.
	1155	1205		1225	7 /			
	128	2/0	200	230	16	OAUS		
					•			
*								
TOTALS								
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsible to the nea bility to ge me_for an	e for all in arest 1/4 h et all ticker ything ove ket you w	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.	age.] A Ja	
Contracting Company	Signature	(printed)	og E.	Pap	Brian			



Material Hauled Pen	cel	Pita	K	Custo	omer Kap	PERS		ob #
Origin Town Y	Post .	f Par	ettand	_ Destina	ation	npens	Jo	ob#
Starting Time 600	Lun	ch Time .	11	<u> </u>	Ending Time		Total Ho	ours
Rate		Per_		<u> </u>		Total Earr	nings	
Truck #		Trailer #	BD,	12	_OR PUC #	······································	TARE	E Wt
DELIVERED TO	1 1		L	1	DOWN TIME OR STAND-BY	NET	NET YARDS HAULED	REMARKS OR HAUL TKT#
	140 140 125 1010	1058 1759 1125	718 805 712 719 1140	725 810 1933 1138				
	1005	1235	1250	1255	8			7 WK, hr)
4								
TOTALS Tickets must be signer Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	to the nea bility to ge	e for all in rest 1/4 h t all ticke thing ove	surance a our on to ts signed er 15 min	and any/a tal hours utes.	all property dama			01
Driver Name	LA	MB		·	Driver Signa	ature	1,0	Etinb
Contracting Company	Signature	(printed)	wife	Hof	Brown		•	



Material Hauled Coo	JTa	Pito	cha	Custo	mer KODDC	25			
Origin I-4 Port	OF F	orth		Destina	ation Hur	20)		Job #	
Material Hauled Cooperation I - 4 for 4 Starting Time 700	·Μ Lur	nch Time	Hou	00	Ending Time_<	230	Total h	fours 6 /2	<u>/</u>
Rate									
Truck # 1632									
DELIVERED TO KOPPERS TOTALS Tickets must be signed Note: Owner/Operator re	PLANT TIME IN 700 755 845 1200 1240 123	PLANT TIME OUT 70S 81S 91S 121S 121S 121S mitted a	DUMP TIME IN 5026 927 1130 1225 1805 222	DUMP TIME OUT 743 832 935 1145 1228 110 230	DOWN TIME OR STAND-BY	NET TOŃS HAULED	NET	REMARKS OR HAUL TKT #	
Note: Record your time It is your responsi Charge standby ti If you don't get it o	to the nea bility to ge me for an	rest 1/4 h t all ticket ything ove	our on to ts signed er 15 min	tal hours utes.	only.	ige.	10		
Driver Name	e w	20/Aj (printed)	-	./	Driver Signa	ature	ill	m tu	
Contracting Company	Signature		eng	e No	Monar	- / -			



arting Time	Lur	nch Time	<u>/www.ce</u>	- /-	Ending Time_ _&	<u> </u>	Total Hou	rs
ate ruck #195		Per_				Total Earr	nings	
ruck #		Trailer #_	<u>:</u>		_OR PUC #		TARE V	Vt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
KOPPERS	5	6 45						
	7	730						
		915						
	1/15	40		ļ				
	1150			·				
<u> </u>	145	104		-				
	170	7/.0						
						``		
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	, a 15							
					· · · · · · · · · · · · · · · · · · ·			
		-						
		,						
TOTALS								



Date 8-27-94								
Material Hauled Origin Starting Time	PACIL	1).tc	Ц.	Custo	omer_Koop	67 <u>4</u>		
Origin				Destina	ation Koop	رتاك	J) b #
Starting Time <u>6</u> 18	<u>00</u> Lui	nch Time	#	-1 Hu	Ending Time		Total H	ours 5
Rate		Per_						
Truck # 124		Trailer #	BD	-15	_OR PUC #	() () ()	TĀRI	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
MOOPERS	1800	1830		1850				
	1901	1940	953	1955	<i>#</i>			SALAN AS AS
· 	20/0	2135	2205	2710			 	ANAL MARIE
	7230	2200	2340	1200	A Company of the Comp	(3)		
	 					*		Shr)
	 							
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· · · · · · · · · · · · · · · · · · ·								
TOTALS								
Tickets must be signe	nd and sub	mitted a	t the end	of each	day for nayme	nt		
Note: Owner/Operator						•	•	• .
Note: Record your time It is your respons Charge standby If you don't get it	to the nea sibility to ge time for an	arest 1/4 h et all ticke ything ove	our on to ts signed er 15 min	tal hours utes.	only. t.			
Driver Name	171140	(printed)	7/-1/)	- 1/	Driver Sign	ature 🖳		746 16 16 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Contracting Company	Signature	J.	p-7- {	Hoy	man			



Material Hauled	De	محاد	Dig	46		_Customer _	KODI)ers
Origin of Haul	4		1 :		Job No.		Trailer	10. BD2
Date	7 Star	ting Time	10 A	M	Lunch Time	1 HR	Ending	Time 2:45 AM
Truck#		Rate \$ _	T		Per		Tot	al Hours 3/4/
Total Earnings					Tare WT	33	760) 0/7
, , , , , , , , , , , , , , , , , , ,		·		<u> </u>				· · · · · · · · · · · · · · · · · · ·
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS
Kappers Padlund	505	6.33	6.45	6.41				7
	6:58	2:15	7.26	7:28				·
	827	9.8	9:14	4:25				
	7:36	127	11,33	11 40				The same of the sa
	12:29	15 38	12:50	12:55	/2:5	5		
	11.08	1:19	01/5	1136				
	7.4%	21,34	0143	2,516	FUL) · • •		
						14/24		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		*.`				(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
								12 mileto
	,						, `	121319 11
			ET OF THE PROPERTY OF THE PROP					
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			-	,		//)
		1			601)	<u> </u>
					1)(10	1		
					- 0			/
TOTALS								
Tickets must be signed a	and subm	itted at th	e end of e	each day	or payment.			
Note: Owner/Operator re	esponsible	e for all in	surance	and any/a	all property dama	age.		
Note: Record your time	to the nea	rest 1/4 h	our on to	tal hours	only.	,	Á	,
It is your responsi						1	-i . If	
Charge standby till If you don't ge					t.	٨٨	- 1 - 1/	
, M/	V	11	16			1\ A'	1 , 1	1 HONO
Driver Name	o W	HTEL	1		Driver Sign	ature	(hal/	Jultus &
Contracting Company	Signature	J. J. L	raft	1/0	efforer	n		
								• · · · · · · · · · · · · · · · · · · ·



Date 8 10 11		3					. Ž		
Material Hauled					omer				
Origin				Destina	ation $\underline{\hspace{1cm}}\mathcal{K}_{o}$	pper	5 *	Job #	
Origin	Lur	nch Time	1000	1100	Ending Time	1330	Total H	lours	
Rate					•				
Truck # 179		Trailer #_	BL	25	_OR PUC #		TAR	EW1 29,600	
DELIVERED TO	TIME IN	PLANT TIME OUT	TIME	TIME OUT	OR STAND-BY	TONS	YARDS	REMARKS OR HAUL TKT #	
Kopper Kopper Kilyman	600 550 735 8/2	515	625 713 756	635	Pickage 1 2 3	Pater Lucial Lord	LOVA		_ _ _
Forper Korpfung	1137	1150	130 130 140	135	‡ 5 <u>4</u> 7	Lovel Lovel			
TOTALS									
Tickets must be signed	and sub	mitted at	the end	of each	day for paymen	11.	<u> </u>		لـ
Note: Owner/Operator re Note: Record your time to It is your responsible Charge standby time If you don't get it of	esponsible o the nea oility to ge ne for any	e for all in: rest 1/4 h t all ticket ything ove ket you w	surance a our on to s signed. er 15 minu	and any/a tal hours utes.	all property dama only	ige.	Tulo	il) Bothe	
Contracting Company S	Signature	(printed)	ryl	Hoop	formers				



Starting Time600	P.M. Lur	nch Time		Ending Time 245 Å.M. Total Hours 73/4							
				Total Earnings							
				OR PUC # M J K 427 TARE Wt							
DELIVERED TO	PLANT TIME IN	<u> </u>		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET	REMARKS			
KOPPER YARD	600	640		655			,				
	800	730		745 825 930							
	1015	1120		1135 130 1350		a	101	1/) 5			
	105	120		135 245			201				
TOTALS											
ickets must be signe	d and sub	omitted at	t the end	of each	day for paymer						
ickets must be signe ote: Owner/Operator ote: Record your time It is your respons Charge standby to If you don't get it	responsible to the nea ibility to ge ime for an	e for all in arest 1/4 h et all ticket ything ove	surance our on to ts signed er 15 min	and any/a otal hours !. utes.	ill property dama only						



Material Hauled	Znce	CPI	tell	Custo	omer (C	W W.P.	~ s	
Origin / - 4		<u> </u>		Ousid	etion O	10015		Job #
Starting Time (a) 0.0) 1	och Time	16	Destine	Ending Time	p c i z	Total F	dours
Rate								
Truck # 166		_i railer #_	12 12	_ <i>i</i>	_OR PUC #	<u> </u>	IAH	BE WI
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	TIME	OR	NET TONS HAULED	ľ	OR
				1720				/
	130	740		800				3
	435	1160		11:25	<u> </u>			THE STATE OF THE S
	1140			1200				3
	1250	1230		1270				7
	135			245				7 8
								· · · · · · · · · · · · · · · · · · ·
			<u></u>					
								· · · · · · · · · · · · · · · · · · ·
TOTALS								
Note: Owner/Operator re Note: Record your time It is your responsil Charge standby til If you don't get it of	esponsible to the nea bility to ge me for an on your tic	e for all in arest 1/4 h et all ticke ything ove ket you w (printed)	surance our on to to signed er 15 min	and any/a tal hours utes.	all property dama only.	age.	n A	TA
-	-			, ,				



Date <u> </u>	94							
Material Hauled	Pite	4		Custo	omer <u>/r</u>	pper-	<u>r</u>) #
Origin $ \mathcal{I} \mathcal{G} $			·	Destina	ation <u>/ C o /</u>	bjers	Job) #
Starting Time 6 3	Lur	nch Time .	1000	_1100	, Ending Time	2:45	Total Hou	ırs
Rate								
Truck #								
DELIVERED TO	PLANT	PLANT TIME OUT	DUMP TIME		DOWN TIME	NET TONS	NET YARDS	REMARKS OR
	655 837	723	735 20 22 733 733	735	/			
	135	103	245	119			0	·
						·		
TOTALS								
Tickets must be signer Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	responsible to the nea ibility to ge ime for any	e for all in trest 1/4 het all ticker ything over	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.			
Oriver Name	Signature	(printed)	a ts	un	Driver Signa	ature/	1=7	7
Emiliating Company	oignatult		and a	1	the state of		 	



Material Hauled Pen	/C/L	PITC	h	Customer KOPPers							
Origin of Haul Terr	14			Job No			Trailer No. Beall				
Date <u>8-27-9</u>	Star	ting Time	6.00	0	Time 2/5						
Truck #											
Total Earnings	-			Tare WT							
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS			
Koppers,	6.00	6.25	6.45	6.50							
PortLANE!	7.00	300	740 850	7.50	3-5 Hrs. 1	0	}				
	12,30	12.15	1.00	1,05	3-3 HFS. L	DOWN	 				
	1.20		2.15								
				1.							
				<u> </u>							
					5 LUACTS						
							·				
TOTALS											
Note: Owner/Operator r Note: Record your time It is your respons Charge standby t If you don't get it	esponsible to the neal ibility to ge ime for an	e for all in arest 1/4 h et all ticke ything ove	nsurance nour on to ts signed er 15 min	and any/ otal hours I. outes.	all property dama s only.	age.					
Driver Name $\int e^{c}$	16	RU	2		Driver Signa	ature 1	reel 1	la Rue			
Driver Name <u>frec</u> Contracting Company	Signature	31	rgi	Kaff	man						



Material Hauled	enci	le l	0,40	h		_Customer _.	Kopp-	e/3		
Origin of Haul 7- 1/					Job No		Trailer N	10. NEW		
Date 8-28-9	✓ Star	ting Time	6:0	Opm	Lunch Time		Trailer No. New Sides			
Truck #		Rate \$_		<u>, </u>	Per		Tot	al Hours <u>9</u>		
								<u> </u>		
DELIVERED TO Koppus Yard	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS		
1	6:00			6:57						
3	7:12			8:16						
4	8:30	:		9:27						
7	11:10			12:00						
7	12:17			1238	,	- X				
9	1:34			2:29						
70,								1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		
			-							
					· · · · · · · · · · · · · · · · · · ·					
								· · · · · · · · · · · · · · · · · · ·		
TOTALS										
Tickets must be signed a Note: Owner/Operator re Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 het all ticke ything ove ket you w	surance lour on to ts signed er 15 min vill not be	and any/a otal hours l. outes. paid for i	all property dama only.		. A 1			
Driver Name	Driver Name (printed) / Gam 5 Driver Signature Robert Holling									
Contracting Company	Signature	+3	Eorga	_ /+=	ffman					



Date 5 7 7 7	<u>'</u> ' , ,	$D_{\mathcal{A}}$									
Material Hauled Park Origin F4 N	apl	15 J. L	ch	Cust	omer <u>Acti</u>	20/21	· · · · · · · · · · · · · · · · · · ·				
Origin F-4 N	· lout	Kurd,	Eur	Destin	ation <u>House 50</u>	·NW.	PDX W	Sb #			
Starting Time 6 00	. w. Lur	nch Time	1 HR) •	.Ending Time_🗭	2:15A	<u> ^</u> Total H	ours_7/4			
Rate											
Truck # 159		Trailer #_	BUT.	10	<u> 0 OR PUC # <i>MWN J023</i> TARE WI 35, 00</u>						
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #			
Karagara a	5155	177 - 3			Wast in line	Full Kar	o D				
It Herey Rd		7 3			\$1 //		*	·			
a At John Budge	<u> </u>	33	,	4:45	WartenLine			<u>``.</u>			
	9.50	11:35		1 1 1 1							
		13:02						<u> </u>			
		143		2:11	under Hopper &p	il					
			· · · · · · · · · · · · · · · · · · ·		, ,			<u> </u>			
· · · · · · · · · · · · · · · · · · ·				· · ·			:,				
								4			
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								,			
				10		1,					
				11)	→ /	of stary!		· <u>\$</u>			
				4) /	-					
TOTALS					\sim)					
			<u>\$.</u> }	<u> </u>	<u> </u>			AV .			
Tickets must be signed											
Note: Owner/Operator re	esponsible	e for all in	surance :	and any/a	all property dama	age.					
Note: Record your time to lt is your responsible. Charge standby time of you don't get it o	oility to ge	t all ticket thing over	ts signed er 15 min	utes.	·	,		<i>[</i> '			
Driver Name	K	15	KI		Driver Signa	\mathcal{K}	. Ka	2/2/			
	/\	(printed)			Direct Signe						
Contracting Company S	Signature										



Material Hauled	il K	itch	, e	Custo	omer Koppe	nel		ž				
Origin N.W. Por	tland	, ore	,	Destin	ation T= 4-	No. Port	tand, organi	bb #				
Material Hauled Fan Origin N.W. Pon Starting Time 8:00	PA.M Lur	nch Time	1 HR		Ending Time	5.15	Total Ho	ours 3 94				
					·							
				#10 OR PUC # MMUD23 TARE WI 35,000								
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	OR	TONS	NET YARDS HAULED	REMARKS OR HAUL TKT#				
Konpena	7:454	8 35				Full 3	Souds	ono Haul TKT.				
Hall 317 and ,		7 .5										
At I how Bridge		10 75										
		11:13		11.34	1.1	ſ						
38	11:50				Longhore Lunc	h						
	,	2 35	•		WAITIN	Y. F		<u> </u>				
		3.35										
<u>:</u>		4:50		3:00	Whit in Line	a) Port						
1 5	-											
			· · · · - · · · · · · · · · · · · · · ·									
							$\overline{}$					
				DS	$\rightarrow 10$	\						
		-/-	:		(37	,	\	*******				
			1-1	15	70/-	/		- Head of the second of the se				
TOTALS												
Tickets must be signed Note: Owner/Operator r Note: Record your time	esponsible	e for all in	surance	and any/	all property dama			8-38-2				
It is your responsi Charge standby ti If you don't get it o	bility to ge me for an	et all ticke ything ove	ts signed er 15 min	utes.	·							
Driver Name <u></u>	Ko	SK	ji	<u> </u>	Driver Sign	ature <u>R</u>	<u> </u>	raket.				
Contracting Company	Signature	(printed)	A)		Her							
				•								



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date 8/28/94	(206)	574-5971	• Out o	of State	1-800-999-597	1 • FAX 1-2	206-574-806	
	— .) 4 //			tr		<u>. </u>	
Material Hauled \underbrace{Pen}_{C} Origin \underbrace{Pontla}_{C}	<u> </u>	e Runi	na L L	Custo	omer 11 0 j	Spens	+ nd	USTRIES
Starting Time 8 69	Lur	nch Time	1 HR		Ending Time_5	1.000.	11_Total H	ours
Rate		Per_	·			Total Ear	nings	
Truck # <u>187</u>		Trailer #_	BD.	<u> </u>	_OR PUC #		TARI	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT		NET TONS HAULED	NET YARDS HAULED	
7540 N.W. ST. Helen	8:00	8:45		9:83				
	10:07			9.52	· · · · · · · · · · · · · · · · · · ·		· ·	
	10 50			11:48				
	11.22		· · · · · · · · · · · · · · · · · · ·	1.51	No.			
	1156			à 18				
	3:13			3:49				
	4:04			5,00	/10			
· · · · · · · · · · · · · · · · · · ·								
	<u> </u>							
				4				
TOTALS					-			
Tickets must be signed Note: Owner/Operator re Note: Record your time It is your responsil	esponsible to the nea bility to ge	e for all in trest 1/4 h et all ticket	surance our on to s signed	and any/a tal hours	all property dama		<u> </u>	
Charge standby til					•			

Contracting Company Signature_

Briver Signature Leave William



Origin					omer <u>Keppe</u> ation		Jo	b#	
Starting Time $8'00$	Lui - 100	nch Time	12:00	100	Ending Time	60	Total Ho	urs	
Rate		Per_	·	wake the second	·	Total Eari	nings		
Truck # / 76		_Trailer #_	BOI	UK !	_OR PUC #	·	TARE	ARE Wt	
DELIVERED TO		PLANT TIME OUT		DUMP	DOWN TIME OR STAND-BY	,	NET YARDS HAULED	REMARKS OR HAUL TKT #	
Luppecs Plant	8.00	352	900 540	910		•			
	10.55	1150	11 15	1133	4				
	359	435	345	373	9/	705			
							in the second se		
				·					
TOTALS									
Tickets must be signed Note: Owner/Operator Note: Record your time It is your respons Charge standby if If you don't get it Driver Name Contracting Company	responsible to the neasibility to ge time for any on your tice	e for all in arest 1/4 het all ticket ything ove ket you w	surance a our on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.	age.	14/11/11		



Date 2 108194		/			į			•	
Material Hauled Origin Starting Time 8	11.7	ch_		Custo	omer	Sppe	15		
Origin	1-			Destina	ation	poer	<u> </u>	Job #	
Starting Time 80		nch Time .	1200/	(da)	Ending Time	500	Total F	lours	
Rate									
Truck # 179		Trailer #_	135	75_	_OR PUC #		TARE WI 29,600		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED		
Lozpen	800	840	855	9.33	,	Loud		TRATH ONTRAL	
topper		950			2	Love,	,		
a series of	1014	1135		1055	3	Lood			
Kodom	1117	1/22	1137	12/1	- 	Loud	·	·	
Keren	1200	150	190	14-1	6	Lovel		,	
Forger	200	20	220	77.3	7	Lynnely			
Koppen	336	301	408	473	\$	Lovey			
Kozepun	2117	الاد	, , ,	404	1 10	Lovel			
To Spirit				700					
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4								7 77 1	
				1 1					
		-+					_/		
ŧ							/		
TOTALS									
Tickets must be signed Note: Owner/Operator r Note: Record your time	esponsible to the nea	e for all in rest 1/4 h	surance a	and any/a tal hours	all property dama				
It is your responsi Charge standby ti If you don't get it o	me for any	thing ove	r 15 mini	utes.	t . ·		T 1	11.500	
Oriver Name	hard	(printed)	070	704	Driver Signa	ature	u Ka	ul Harker	
Contracting Company	Signature	2	seg/i-	11-4	- Auto				



Material Hauled <u>Pen</u>	sil P	ITCh		Customer Koppers						
Origin of Haul <u>Ter M</u>	14				Job No		Trailer No	Beall		
Date <u>8-28-9</u>	<u>اً /</u> Star	ting Time	8.00	C Lunch Time			Ending Ti	me <u>5.00</u>		
Truck #		Rate \$_			Per	Total	Hours			
Total Earnings					Tare WT_			<u> </u>		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS		
Koppers Postinal	8.00 9.10 10.05 10.40 11.15 12.00 1.50 2.25 3.00 3.55	9.20 10.15 10.50 11.25 12.10 1.55 2.30 3.20	9.30 10.25 11.00 11.10 12.25 2.10 2.45 3.35	950 10.30 11.05 11.50 1.40 213 250 3.45		/0				
TOTALS										
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it of Driver Name Contracting Company	to the near ibility to get ime for an on your tick (printed)	e for all in arest 1/4 h et all ticke ything ove ket you w	nsurance nour on to ts signed er 15 min vill not be	and any/a otal hours l. outes. paid for i	all property dama only. itDriver Sign		reef Ja	Rue		



Material Haüled	aRb	on 1	1201	<u> </u>		Customer	Kopp	ser d.	nel, Inc.
Origin of Haul	Por	t F	artta	nd	Job No		Trailer	No	
Date 8-28 - 0	74 Star	ting Time	230	AM	Lunch Time	1 Hr.	<i>5</i> Ending	Time	5,301-11
Truck #									
Total Earnings	,			,	Tare WT				
1.00	T		T	r		т			and the second s
,	PLANT	PLANT	DUMP	DUMP	DOWN TIME	NET	NET		·
DELIVERED TO	TIME	TIME	TIME	TIME	OR	TONS	YARDS	R	EMARKS
	IN	OUT	IN	OUT	STAND-BY	HAULED	HAULED		
Kappers Cre	ļ								
Pattone	8.00_	8.40	8,55	9,00			hoad		
Ore	9113	9,20	9,30	1145			hoad	2	
	10100	10110	10115	1020			Load	3	
	10,30	10,40	1014	5 105	0		Load	4	
	11,00	11,10	1115	11.22			Load	5	
	11130	11145	11.20	12100	, 2		food	(0)	
	12105	1115	1199	1140	2		toade		
	1/45	3/38	2145	250			Joad		
	3,00	3.75	77.76	230	<u>, , , , , , , , , , , , , , , , , , , </u>		Load		
	3,50	30.00	21.30	4,3	<u> </u>		Foad	16	
	3,00 3,50 4,15	4300	7120	71700	,	*5	/	()	
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TOTALC									
TOTALS	I			1					·
Tickets must be signed	and subm	itted at the	e end of	each day	or payment.				
Note: Owner/Operator r					*,	200		i	
						age.			
Note: Record your time					only.			r. A	
It is your responsi			_					έξ	
Charge standby ti									and the state of t
If you don't get it o	on your tic	ket you w	/iii not be	paid for i	ī.				44
1		/ /	Ι,	,				0	
Driver Name	\leq /	enh	ani	e	Driver Sign	ature	<u> </u>	<u>L</u>	
, , , -	(printed	2	10 -		16/1/2	11			
Contracting Company	Signatur	e_//	hord	1	while	141			
			/		//:				•



Material Hauled <u>Fin A</u>	() C + &	PITCH	!	Custo	omer <u>************************************</u>	PERS	· · · · · · · · · · · · · · · · · · ·	
Origin		······································	 -	Destina	ation <u>Korke</u>	L. 18	·	Job #
Starting Time 700	Lur	nch Time	•	·	Ending Time	5	13 Potal F	lob#
Rate	·——-	Per_	···		·	Total Ear	nings	
Truck # 191		Trailer #	BD		_OR PUC #/	VFX 28	7TAF	E Wt
DELIVERED TO	TIME	PLANT TIME OUT	TIME IN	TIME	OR STAND-BY	TONS	YARDS	
KOPPERS FORTLAND	8:00	8:35	8:50	8:55				
	10:36	10:44	10:55	11:00				
	11:10	10:29	11:35	11:43		0		
	1100	1:67	97	3:05		Sur		
	1407	3 30	2 140	2:49	1 14			
	<u> </u>	3:30	3 30	31.35	11-6/			
	5 24 5	7.10	7:20	9725	10/			
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<u> </u>					/			The state of the s
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707410						••		
TOTALS						· .	The same of the sa	
Note: Owner/Operator re Note: Record your time t It is your responsib Charge standby tir If you don't get it o	esponsible o the nea pility to ge ne for any	e for all in trest 1/4 het all ticker ything over	surance a our on to is signed or 15 mini	and any/a tal hours : utes.	all property dama only			
Driver Name	10/4	54 m	ple	•	Driver Signa	ature <u>///</u>	Anthre	Some fel
Contracting Company S	Signature		nge	- /ho	Ifm an	· . · * / ·	· · · · · · · · · · · · · · · · · · ·	/



Rate		Per_ Trailer #_	BO	12	_OR PUC #	Total Eari	ningsTAF	RE Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	
9	1679	1000	7777 4650	10355				Train 120/104
10	11393	1350	Po	1339				
	422	102	411	444		and the second		
					10			
					•		3	
TOTALS								
Tickets must be signed Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 h et all ticke ything ove	surance our on to ts signed er 15 min	and any/a otal hours l. outes.	all property dama only.			



Material Hauled	Pi	tch		Custo	omer	Kop	DeR3		
Origin	=4			Destina	ation	Copper)#	_
Starting Time 080	⊅ Lur	nch Time		7 R-	Ending Time	_173 <i>L</i>	Total Hoບ	irs	
Rate Hourly		Per_			· · · · · · · · · · · · · · · · · · ·	∜ Total Earr	nings		
Rate Hourly Truck # 115		Trailer #	B	DII	_OR PUC #		TARE	Wt	
DELIVERED TO	PLANT	PLANT TIME OUT		DUMP TIME	DOWN TIME	NET TONS	NET YARDS	REMARKS OR HAUL TKT #	
Koppors									_
	09/2	09/6	0928	1075	·		,		
	1037	1049	11 03	1106					_
<u> </u>		11-25						·	
	13 42	1309	16001	1403		00			_
	14 16	1422	1434	1436	1	Local			_
	1545	1513 1558	1610	1512	10	Jack S			_
	1523			1730					_
		•				· · · · · · · · · · · · · · · · · · ·		- u	
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TOTALS					.47				_
Tickets must be signed Note: Owner/Operator re Note: Record your time if It is your responsil Charge standby tin If you don't get it o	esponsible to the nea bility to ge me for any	e for all in trest 1/4 h et all ticket ything ove	surance a our on to ts signed er 15 mine	and any/a tal hours utes.	all property dama only.				
	,	Up [)						
Driver Name	101	(printed)	<u></u>		Driver Signa	ature	in M	a cr	
Contracting Company !	Signature		ror	<u> </u>	toffme	N			
		,	ĺ			•			



Material Hauled	P. 5. 90	/	Phil	Čust	K.	DON R	C	•	
Origin T-4					4/ /	bb oc	\$1. ·		
Origin	j .	······································		Destin	ation	500	· (Hours_4 HKS	
Starting Time 100 f	Lui	nch Time			Ending Time	3 NO	Total F	lours	
Hate	. *	Per_							
Truck #		_Trailer #_	BD	C O	_OR PUC #	TARE Wt			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
1	WO-								
2	153								
2	230	 		 		34%			
A	227	-							
	710	† · · · ·						5in Yhrs	
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TOTALS	 								
Tickets must be signed Note: Owner/Operator r	esponsible	e for all in	surance	and any/a	all property dama				
Note: Record your time It is your responsi Charge standby ti If you don't get it o	ibility to ge ime for an	et all ticke ything ove	ts signed er 15 min	utes.	t. ·	K			
Driver Name		(printed)			Driver Signa	ature/	U/Ala	ray	
Contracting Company	Signature					•	,		
Sompany	J.g.iature							/	

443 Leon 3759

SUNRISE EXPRESS, INC.



Material Hauled	ici	1). TCH	١	Custo	omer Koppe	25		
Origin T-U		·	-	Destina	ation Kooper	2.5	Jol	o#
Origin T- 4 Starting Time 1400	Lur	nch Time	none		Ending Time	2030	Total Ho	urs 6/2
Rate		Per_				Total Ear	nings	
Truck # 124		Trailer #_	BJ-	15	_OR PUC #		TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Kopens	1500	OPE	1557	1552				
	1605	1645	1700	1210				
	1730			X/ 34				
							· · · · · · · · · · · · · · · · · · ·	
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	1				· · · · · · · · · · · · · · · · · · ·			
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in the second								·
	<u> </u>							
100								
TOTALS								
from the same								
Tickets must be signed							•	:
Note: Owner@perator r	esponsible	e for all in	surance	and any/a	all property dama	age.		
Note: Record your time It is your responsi Charge standby to If you don't get it o	bility to ge me for an on your tio	et all ticke ything ove	ts signed er 15 min	utes.				
Driver Name	Spray	100	150		Driver Signa	ature		
Contracting Company	Signature	(printed)	and	ly	(Dec.	La		: <u>*</u>



Material Hauled Per	1016	PITCH	<u> </u>			_ Customer	Koppe	/s		
Origin of Haul <u>Ter</u>										
Date 8-28-99										
Truck #		Rate \$ _			Per		Tot	al Hours		
Total Earnings								•		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS		
KOPPELS	600	7.40	820	830						
VANCOUVER										
	 				·					
		-						 		
	-									
	 -				4.0					
ry										
	ļ						•			
					·					
TOTAL 0										
TOTALS				<u></u>						
Tickets must be signed	and subm	itted at th	e end of	each day	or payment.					
Note: Owner/Operator	responsibl	e for all ir	surance	and any/a	all property dam	age.				
Note: Record your time It is your respons Charge standby t If you don't get it	to the nea libility to ge time for an	arest 1/4 het all ticke ything over	nour on to ts signed er 15 min	otal hours l. outes.	only.					
Driver Name <u>free</u>	Driver Name Free Driver Signature Free Salice									
Contracting Company	(1)	<i>'</i>)(0	N	Del					



nch Time Per Trailer #	3/)/ IMP DUMP ME TIME	Ending Time	Total Earr	Total H	
PLANT DU TIME OUT II	DUMP TIME N OUT 5 5 5 5 7 7 7 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 7 5 5 7 7 7 7 5 7	_OR PUC # DOWN TIME OR	Total Earr	Total Honings TAR NET YARDS	REMARKS OR HAUL TKT #
PLANT DU TIME OUT II	DUMP TIME N OUT 5 5 5 5 7 7 7 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 5 5 7 7 7 7 5 5 7 7 7 7 5 7	_OR PUC # DOWN TIME OR	Total Earr	Total Honings TAR NET YARDS	REMARKS OR HAUL TKT #
PLANT DU TIME TII OUT III	MP DUMP ME TIME N OUT 6 5 5 7 35 7 25 7 205	OR PUC # DOWN TIME OR	NET TONS	TAR NET YARDS	REMARKS OR HAUL TKT #
PLANT DU TIME TII OUT III	MP DUMP ME TIME N OUT 6 5 5 7 35 7 25 7 205	OR PUC # DOWN TIME OR	NET TONS	TAR NET YARDS	REMARKS OR HAUL TKT #
TIME TII OUT II	ME TIME OUT	OR	TONS	YARDS	OR HAUL TKT #
1110	1135 1205 1205			,	
130	1125 1205 1205 10745 1 45				\$ 5 6 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
1:60	1975				8
270			.		Ó
		9/0	a de		
		12			
le for all insura arest 1/4 hour o et all tickets sig nything over 15	nce and any non lotal hours gned. minutes.	all property dama only.	age.	. [1]. . [1].	A
	le for all insura arest 1/4 hour of et all tickets signything over 15 cket you will no (printed)	le for all insurance and any; arest 1/4 hour on total hours et all tickets signed. hything over 15 minutes. cket you will not be paid for i	le for all insurance and any all property dama arest 1/4 hour on total hours only. et all tickets signed. hything over 15 minutes. cket you will not be paid for it. Driver Signates	et all tickets signed. nything over 15 minutes. cket you will not be paid for it. Driver Signature	le for all insurance and any/all property damage. arest 1/4 hour on total hours only. et all tickets signed. hything over 15 minutes. cket you will not be paid for it. Driver Signature



Date 8 - 28 - 9	<u>y</u> ,						-A679	· park	
Material Hauled	7701	<u> </u>		Custo	omer <i>/T_C</i>	pp,	ER.		
Origin 74				Destina	ation Kopp	EX. P	John.	Job #	
Starting Time 6.8	OLur	nch Time.	<i>*</i>		Ending Time	245	‴ Total ⊦	lob#	
Rate		Per_				Total Ear	nings		
						TARE Wt			
DELIVERED TO		PLANT TIME OUT			DOWN TIME OR STAND-BY		NET YARDS HAULED	REMARKS OR	
	715	755 870 935 1131				()/	4,		
	1200	1200 1200				0	74, 1		
		·							
TOTALS									
Tickets must be signe Note: Owner/Operator i Note: Record your time It is your respons Charge standby t If you don't get it	responsible to the nea ibility to ge ime for an	e for all in trest 1/4 het all ticket ything over	surance a our on to as signed or 15 mine	and any/a tal hours utes.	all property dama only.		0.		
Driver Name	11	(printed)	12/	=	Driver Signa	ature 1	eXI A	Wy The	
Contracting Company	Signature		day get	140-	ffman.	- [<u></u>	/	



Material Hauled VEN	CIL	MACH		Custo	omer	PERS M	FG	
Origin	-4		- , , -	Destina	ation XOPPER	95 (HUM)	130) Jo	b #
Starting Time 0500	Lui	nch Time.	14	<u> </u>	Ending Time	245	Total Ho	ours
Truck # 176		_Trailer #_	BD	14	_OR PUC #		TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR
KOPPERS	130 120 120 120 120 120 120 145	0800 040 040 040 040 040 040 040 040 040	925 1210 1215	134 125 130 130		7004) 5	
TOTALS								
Tickets must be signed Note: Owner/Operator re Note: Record your time It is your responsi Charge standby til If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 het all ticket ything over whet you w	surance a our on to as signed er 15 min	and any/a tal hours utes.	ill property dama only.	age.	1 / (
Contracting Company	Signature	(printed)	eroft.	Hoff	n art	·		



Date		1.			,			
Material Hauled	P17	ch		Custo	omer	opp	ER S	Job #
Origin	4	:	·	Destina	ation <u></u> Kol	PER.	<u> </u>	Job #
Starting Time 500		nch Time	1000/	1100	Ending Time	3.30	Total F	lours
Rate		Per			•	Total Earr	ninas	. '
Truck #		Trailer #	134	05	_OR PUC #		TAR	REWI 29,600
DELIVERED TO		PLANT TIME OUT	DUMP	1	DOWN TIME	NET TONS	NET YARDS	REMARKS
Koppien	500	145	12 58	801	1	Loud		ONSTANOBY
the legioner	711-1	82/		837	2	Lovil	,	
Land the state of the same	11/12	115	125	1/2/2	- 3	hound		
	13.36	1222	1128	1251		1- Crack		· · · · · · · · · · · · · · · · · · ·
to figher	104	100	123	1260	7	Louis		
K. Sipure	136	150	201	200		Lower	,	
	849	Vier 5	3/30	7/2	<u> </u>	movies		
	-	22 3	105	6 . · · ·		CATION C		
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					/		_	
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TOTALS								
Tickets must be signed Note: Owner/Operator r								
Note: Record your time It is your responsi Charge standby ti If you don't get it o	to the nea bility to ge me for an	arest 1/4 het all ticke ything over	our on to ts signed er 15 min	tal hours utes.	only.		Dish.	at Thather
Contracting Company	Signatura	(printed)	so cir. L.	, the	BWW and	4.4. C		1
		The state of the s		, 7				





Material Hauled	Pen	el Í	iteh			_Customer &	Kopp	ers		
Origin of Haul	4				Job No		Trailer	No. <u>15 D 1</u>		
Date 8-29-	34 Star	ting Time	6i0	٥	Lunch Time /	191	Ending	Time 245		
Truck #		Rate \$ _	i .		Per		То	tal Hours		
					Tare WT_					
	<u> </u>	<u> </u>		T		T				
DELIVERED TO	1	PLANT TIME OUT	TIME	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS		
4	1/25	1070		0115				,		
Koppers	1200	820		845				- /2		
	905	925	<u> </u>	7/2				2		
	955	17/3		945				- }		
	1250	1270		130				7		
	1.45	2:30		245				7		
· · · · · · · · · · · · · · · · · · ·	1,90	0.7		01/1				_ G		
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					100		<u></u>			
				1	1					
				1		1				
· ·										
	1									
TOTALS										
Tieleste month of the										
Tickets must be signed	and subm	utted at th	e end of	each day	or payment.					
Note: Owner/Operator r	esponsibl	e for all in	surance	and any/a	all property dam	age.				
Note: Record your time	to the nee	aract 1/4 h	our on to	stal bours	only					
It is your responsi					Offig.					
Charge standby ti								·		
If you don't get it o					i +	,	$I \cap I$	****		
ii you don't get it t	on your tic	∧eι you w	, not be	Paid 101	ιι.	\black{\black}	$\langle \langle f \rangle \rangle$. 1		
Driver Name	in	トラシナ	MQ (1	Driver Sign	ature 111	m/////	<u> </u>		
	(printed			11 1	F //		9	,		
Contracting Company	Signatur	ė <u> </u>	and I		- JV	_'				



Date 8 29 - 9	<u>4</u>	014 001	· out c	, otate	1 000 003 337			-
Material Hauled	In Pr	lei		Cust	omerKo_	PPE	185	
Origin	·			Destin	ationS&_	John	Pd. J	ob #
Starting Time 630	Lui	nch Time	/		Ending Time	250	Total H	ours
Rate		Per_			· · · · · · · · · · · · · · · · · · ·	Total Ear	nings	
Truck # 190		Trailer #_	190)	_OR PUC #	- · · · · · · · · · · · · · · · · · · ·	TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	920 1233 145	125	3					
Jack Mil	820	920) K	ara	A. TH	4124	Chais	
					9			
TOTALS								
Note: Owner/Operator re Note: Record your time: It is your responsil Charge standby til If you don't get it o	esponsible to the nea bility to ge me for an on your tic	e for all in arest 1/4 h et all ticket ything ove ket you w	surance a our on to is signed er 15 mini ill not be	and any/a tal hours utes.	all property dama only.			
Driver Name <u>JAC</u>		(printed)	EX		Driver Signa	ature	refl /	Mel
Contracting Company⊲	signature	<u> </u>	11/1) /KA	1.h				



Material Hauled	NCIL	MICH	·	Custo	mer_holf	ils Mi	6	<u> </u>	
OriginTH				Destina	ation Koppe	RS (HWY	30)	Job #	, <u></u>
Starting Time530	Pm Lui	nch Time	146)	Ending Time	230	Total ⊦	lours	
Rate		Per		•		Total Ear	nings		
Truck # 176		Trailer #	BD	14	_OR PUC #	····	TAR	E Wt	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR	
KOPPERS	1005	1200	950	11/2011					
	140	218	230	250				EMPTY.	
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TOTALS									
Tickets must be signed	and sub	mitted at	the end	of each	day for paymer	nt.			
Note: Owner/Operator re	esponsible	e for all in	surance	and any/a	all property dama	age.			
Note: Record your time It is your responsi Charge standby ti If you don't get it o	bility to ge me for an	t all ticket ything ove	ts signed er 15 min	utes.	-			11	
Driver Name	A FU	NNCL	4	$-/\!\!\!\!/$	Driver Signa	ature 📆	1 Ten	nll .	
Contracting Company	Signature	(printed)		'Afle	٠٠.	e. List		<u> </u>	· ·



Date Of MICE		γ'.			17	's		
Material Hauled Per						Der D		4)
Origin 1-4			 -	Destina	ation <u>KOOC</u>	wro	······································	Job #
Starting Time 5: 30	<u>pm</u> _Lur	nch Time	عظرا		Ending Time	145 a	Total H	Hours 8 14
Rate								
Truck # 105		Trailer #	BOL	Q	_OR PUC #		TAF	RE Wt
DELIVERED TO	1	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY		YARDS	OR
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TOTALS								
Note: Owner/Operator re Note: Record your time: It is your responsit Charge standby tii If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 h et all ticket ything ove	surance our on to s signed or 15 min	and any/a tal hours utes.	ill property dama only.		1	
Driver Name Mis	54	tu	240EL		Driv e r Signa	ature 1	Lison	Limit
Contracting Company S	۱ Signature	(printed)	Lan	de	Bel.	Ma	<u>/</u> /	



Material Hauled	fic	h		Custo	omer	oppes	<u>/_S</u>		
Origin	1	0×1/		Destina	ation <u>K</u>	FD CV	<u>\$</u>	Job #	
Starting Time 50	<u> </u>	nch Time	book	100	Ending Time	230	Total F	łours	
Rate		- 1						*	
Truck #		Trailer #_	BK)5	_OR PUC #	,	TAR	EWI 29,600	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
Kappers	570	5.45	500	830	,			STANDBY	
- / hr	376	274	72	11/28		Lord		7 7	
	12.00	200	7_7	77.73 23	73	Youl			
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TOTALS									
Note: Owner/Operator re Note: Record your time It is your responsif Charge standby til If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 h et all tickel ything ove ket you w	surance a our on to is signed or 15 mini ill not be	and any/a tal hours utes.	all property dama only. tDriver Signa	ige.	When	1 Talker	
Contracting Company	Contracting Company Signature (printed)								
5	- g	`	1				7 * Sp.		



Date 7 - 02 / /	/ . ,				,						
Material Hauled Fam	<u>kul</u>		· · · · · · · · · · · · · · · · · · ·	Cust	omer Kapapill	Min					
Origin 1-4/10	Elan	d, 0	40	Destin	ation Kangus	2/2-		Job #			
Material Hauled 1600 Origin 154 160 Starting Time 5:30	Lur	nch Time	1 48	10:00	Ending Time	1:43p.	<u>~_</u> Total ⊦	lours <u>5/4</u>			
Rate		Per_		-		Total Earnings					
Truck # 159		Trailer #_	6D#	10	OR PUC # <u>////// 02 3</u> TARE Wt <u>35, りのの</u>						
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED				
Koppers	5:30	3:33			STANDBY -	Tillat	1000	No TRIS			
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TOTALS											
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby to If you don't get it of	responsible to the nea ibility to ge ime for an	e for all in trest 1/4 het all ticket ything over	surance our on to ts signed er 15 min	and any/ tal hours utes.	all property dama only						
Driver Name <u></u>	Ko	25 k			Driver Sign	ature <u> K</u>	<u>. K</u>	condition			
Contracting Company	Signature	(printed)		\$ J. J. J. J. G.	Marke	<u>/</u>		-			



Date 8-29-94								- "
Material Hauled P	rcil	12 Tex	1	Custo	mer Koop	etes		
Origin		····		Destina	ation Koope	≈72 S	J	ob #
Origin 7-4/ Starting Time 1630	Lu	nch Time		··	Ending Time	1 am	Total H	ours 7
Rate					4			
Truck # 124		_Trailer #_	Bd-	5	_OR PUC #	<u> </u>	TARI	EW1 34, 200
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR # STAND-BY	TONS	NET YARDS HAULED	REMARKS OR HAUL TKT #
KOOPERSI	1800	210	2130	2150	6PM			
	2150	1240	1250	100,	IAM			
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TOTALS								
Tickets must be signed	d and sub	mitted at	the end	of each	day for naymer	nt		
Note: Owner/Operator re								
Note: Record your time it is your responsil Charge standby time if you don't get it continue.	to the nea bility to ge me for an	arest 1/4 het all ticket ything over	our on to is signed er 15 min	tal hours utes.	only.		· ^	
	Cimmat	(printed)	1/7	Z				
Contracting Company !	oignature		1	C. C.				\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.



Date 3 - 30 7	100 C	6 12	4-6		4	200	nc .		
Material Hauled Origin Origin	1 1/1 (1	1/7	7 -	Custo	omer	PPE	K7_	· · · · · · · · · · · · · · · · · · ·	
Origin My Oz	4 20	7 1		r Destin	ation		Jo	b#	
Starting Time	Lur	nch Time	/		Ending Time_8	330	Total Ho	urs	
Rate	-	Per_				Total Ear	nings		
Truck #		Trailer #_	190	7	_OR PUC #	TARE Wt			
DELIVERED TO	1	PLANT TIME OUT	ł	DUMP TIME OUT	ļ	[NET YARDS HAULED		
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TOTALS							į.		
Tickets must be signed	d and sub	mitted a	t the end	of each	day for paymer	nt.			
Note: Owner/Operator r	esponsibl	e for all in	surance	and any/a	all property dama	age.			
Note: Record your time It is your responsi Charge standby ti If you don't get it o	bility to ge me for an	et all ticke ything ove	ts signed er 15 min	utes.		A	11	An	
Driver Name JAC	K 5	Inrinted -		B	Driver Signa	ature	4 MA	Y	
Contracting Company	Signature	(prinjed)			2	1			



Material Hauled Per	21 /	Ach		Custo	omer Zopper	3		b#		
Origin Terminal	4			Destina	ation Zappecs	Plant	Jol	b#		
Starting Time 7.00	zmLur	nch Time.	1000	11:00	Ending Time	30	Total Ho	urs 6//s		
•			*	Total Earnings						
				o OR PUC #						
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR: HAUL TKT #		
Loppes by 30	7:00pm	945	955	1000			,			
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TOTALS										
Tickets must be signe Note: Owner/Operator i Note: Record your time It is your respons Charge standby t If you don't get it	responsible to the nea ibility to ge ime for any	e for all in trest 1/4 het all ticke ything over	surance a nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.		/ "/			
Oriver Name <u>Kelly</u>	Milual	(printed)			Driver Signa	ature <u>Xul</u>	y Mirate	5		
Contracting Company	Signature	<u> </u>								



Material Hauled	Penes	19	tel			Customer KOPPERS			
Origin of Haul	4				Job No.	-	Trailer	No. 13D/	
Date 8-30-9	34 Star	ting Time	6,00	1/m	Lunch Time/	1hr	 Ending	No. <u>[3] [</u> Time <u>[3] [5] [A] [4]</u>	
Truck #/6/o		Rate \$ _	- 1		Per		Total Hours		
Total Earnings									
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS	
Koppers	6140	915 270 27351	G'UU	630	3 1 0 9			I Wash sut	
TOTALC					ूर्त हो	ŕ			
TOTALS Tickets must be signed Note: Owner/Operator in Note: Record your time It is your respons Charge standby the If you don't get it in Operator Name Contracting Company	to the near ibility to ge- ime for any on your tic (printed)	e for all in irest 1/4 h et all ticker ything ove ket you w	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama	age.	y (A)		



ate ruck #12_√			,			-	rningsTARE Wt		
DELIVERED TO	·	PLANT TIME OUT		DUMP TIME OUT	•	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
KOOPERS_	1800	2125	2135	2200			,		
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TOTALS									



Mara Call Inc. 1	2	يم <i>ال</i> مد	21/	•		Cuetemar	Kin	2064		
Material Hauled	<u> </u>		110pg			_Customer _	TOP	R 1 1		
Origin of Haul/					Job No	No. <u>23 27 7 </u>				
							Ending Time 7,45			
Truck # 166		Rate\$_		Per			Total Hours			
Total Earnings					Tare WT	tallama				
DELIVERED TO	PLANT TIME IN	TIME OUT	TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS		
Konpers	6:00	205 205 205 7.35		220				7		
10//	2130	425	9m	445				<u> </u>		
	7500	1.35		7:45						
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						1990				
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						1				
1										
TOTALS										
Tickets must be signed	and subm	itted at th	e end of	each day	or payment					
						200				
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.										
Driver Name	m/	156.	ot/_		Driver Sign	ature	al Still			
Contracting Company Signature										



Date 8-31-9	X.							
Material Hauled	in Fit	tel		Custo	omer_ <i>KO</i>	DPE		
Origin the	4			Destina	ation		Jo	b#
Starting Time 60	Lur	nch Time .			Ending Time_	1:00	Total Ho	b #
Truck # <u> </u>		Trailer #_	1 Part	2	_OR PUC #		TARE	Wt
DELIVERED TO		PLANT TIME OUT	,	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS
	330	230	300					
TOTALS						,		
Tickets must be signe Note: Owner/Operator i					• ,			
Note: Record your time It is your respons Charge standby t If you don't get it	to the nea ibility to ge ime for any	arest 1/4 h et all ticket ything ove	our on to ts signed er 15 min	tal hours utes.	only.	.go. /}	۵	
Driver Name <u>JA</u>	45	(printed)	ZKI		2Driver_Signa	ature 2	ele (Julier
Contracting Company	Signature	· ' / '.	The state of the s			7/_		



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

/ 1 n	<u></u>			Destina	ation	10/50 0	Job	#
rting Time	Lur_	nch Time			Ending Time_/	0,50	Total Hou	#
te		Per						
ıck# <u>/90</u>		Trailer#_	19	U	_OR PUC #		TARE V	Vt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	1000	1015	715					
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			!					
TOTALS								

Koppers009088

KOPPERS INDUSTRIES

Koppers Industries, Inc. 1005 William Pitt Way

		Pittsburgh, PA 15238
TO: Amos Kamerer	LOCATION:	Telephone: (412) 826-3970 FAX: (412) 826-3999
COMPANY NAME: KI		
COMPANY TELEPHONE N	UMBER:	_
FROM: Paul Sta	del.	anningga e eleja karnina man, alkinduna
NUMBER OF PAGES TO FO		•
IF YOU <u>DO NOT</u> RECEIVE A PLEASE CALL US ON: <u>412/8</u>		TED,
OUR PANAFAX NUMBER IS	S: 412/826-3999	
SENTBY:		
TIME:		4

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94-20-1	94-20-2	- 3
SP 109.9	SP 110	110
ASH .19	.19	.2
Dist 3.9	4.1	4.2
BR 17.2	16.7	16.9
Q 1 10.1	10.3	10.3
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DEN 1.314	1.316	1,314
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DEPARTMENT OF THE TREASURY UNITED STATES CUSTOMS SERVICE

Approved	T	hrou	gh	4	30	/8	
OM	8	No.	15	15	-0	06	Į

		OMB	NO.	121	2-006
DATE	FREQU	JEST		_	

		KVICE		1. DATE OF	REQUEST
REQUEST	FOR INFORM	IATION	•	İ	6-2-94
COMB 95		•		2. DATE OF	ENTRY & IMPORTATION
(General Information/Instructions on reverse) 19	U.S.C. 1481, 1499, 00, 1508, and 1509	•		4_1	2-94/4-13-94
3. MANUFACTURER/SELLER/SHIPPER	4. CARRIER			5. ENTRY N	
SsangYong Corporation	L	Ocean Crown			1-0626433-9
6A. INVOICE DESCRIPTION OF MERCHANDISE		6B. INVOICE NO.		7. TSUS ITE	
Coal Tar Pitch		CHI-940324			708.10.0000
8. COUNTRY OF ORIGIN/EXPORTATION		9. CUSTOMHOUSE BRO			OR FILE NO.
Korea		Myers	#1361CB9	4001868	
10. TO:		11. FROM:			
Koppers Industries, Inc. Traffic & Transport 436 Seventh Avenue Pittsburgh, PA 15219 PRODUCTION OF DOCUMENTS AND/OR INFORMATIO If you have provided the information requested on this form at other ports, please indicate the port of entry to which it furnish a copy of your reply to this office, if possible. 12. PLEASE ANSWER INDICATED QUEST A. Are you related (see reverse) in any way to the selle If you are related, please describe the relationship, relationship affects the price paid or payable for the B. Identify and give details of any additional costs/exp transaction, such as:	n to U.S. Customs was supplied, and ION(S) r of this merchandise? and explain how this merchandise.	Federa 511 N. Portla N: A. PORT 13. PLE A. Copy of contract covering this trail merchandise is, volume and the covering	ustrative literat	Rm. 198 Way on 97209 B. DATE INF INDICATED order and seller ny revisions th ure or informalt is used, and	ORMATION FURNISHED ITEM(S) 's confirmation thereof) ereto. ation explaining what the exactly how it operates.
(2) commissions			e components a		ients by weight and the assembly into the finished
(3) proceeds that accrue to the seller (see reve	rse)	from container n	o		
(4) assists (see reverse)		mark(s) and no. Samples consum		and other sam	ples whose return is not turned.
(5) royalties and/or license fees (see reverse)		E. See Item 14. beld	· · · · · · · · · · · · · · · · · · ·	volument, but is	
14. CUSTOMS OFFICER MESSAGE		<u> </u>		·	
4 oz. sample for Lab analysis.					
Is Causan's manager available for the	hic chinmont?				
Is Gauger's report available for the	its surpment:		,	•	
	4	•	-		
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15. REPLY MESSAGE (Please print or type. Use addition	al sheets if more space	is needed.)			
1) Enclosed please find a sample of	of the coal ta	r pitch.	•		
2) Attached please find a copy of	the Draft Dis	splacement Surve	ey .		
• .					
			· · · · · · · · · · · · · · · · · · ·	1/_	
16. It is required that an appropriate corporation requested (NOTE: NOT				AS Cofrespond	ence in response to the
A NOME OF	ND TITLE/POSITION		B. SIGNATOR	f	<u> </u>
furnished herewith or upon this form in response to this inquiry is true and correct, and that any samples provided were taken from the shipment		/ Official - Print or Type)	/# /#	E NO. 36-3681	D. DATE 6/14/94
17. CUSTOMS OFFICER (Print or Type) H. W. STEELE, Import Specialist	HWT	18. TEAM DESIGNATION 717	SN , ZN	19. TELEPH	
(Paperwork Reduction Act Notice on reverse)		L		Cus	toms Form 28 (122386)

GENERAL INFORMATION AND INSTRUCTIONS

- 1. The requested information is necessary for proper classification and/or appraisement of your merchandise and/or for insuring import compliance of such merchandise. Your reply is required in accordance with section 509(a), Tariff Act of 1930, as amended (19 U.S.C. 1509).
- 2. All information, documents, and samples requested must relate to the shipment of merchandise described on the front of this form.
- 3. Please answer all indicated questions to the best of your knowledge.
- 4. All information submitted will be treated confidentially.
- 5. If a reply cannot be made within 30 days from the date of this request or if you wish to discuss any of the questions designated for your reply, please contact the Customs officer whose name appears on the front of this form.
- 6. Return a copy of this form with your reply.

DEFINITIONS OF KEY WORDS IN BLOCK 12.

Question A: RELATED — The persons specified below shall be treated as persons who are related:

- (A) Members of the same family, including brothers and sisters (whether by whole or half blood), spouse, ancestors, and lineal descendants.
- (B) Any officer or director of an organization and such organization.
- (C) An officer or director of an organization and an officer or director of another organization, if each such individual is also an officer or director in the other organization.
- (D) Partners.
- (E) Employer and employee.
- (F) Any person directly or indirectly owning, controlling, or holding with power to vote, 5 percent or more of the outstanding voting stock or shares of any organization and such organization.
- (G) Two or more persons directly or indirectly controlling, controlled by or under common control with, any person.

PRICE PAID OR PAYABLE - This term is defined as the total payment (whether direct or indirect and exclusive of any costs, charges, or expenses incurred for transportation, insurance, and other C.I.F. charges) made, or to be made, for imported merchandise by the buyer to, or for the benefit of, the seller.

- Question B: ASSISTS The term "assist" means any of the following if supplied directly or indirectly, and free of charge or at reduced cost, by the buyer of the imported merchandise for use in connection with the production or the sale for export to the United States of the merchandise:
 - (1) Materials, components, parts, and similar items incorporated in the imported merchandise.
 - (2) Tools, dies, molds, and similar items used in the production of the imported merchandise.
 - (3) Merchandise consumed in the production of the imported merchandise.
 - (4) Engineering, development, artwork, design work, and plans and sketches that are undertaken elsewhere than in the United States and are necessary for the production of the imported merchandise.

PROCEEDS THAT ACCRUE TO THE SELLER — This term is defined as the amount of any subsequent resale, disposal, or use of the imported merchandise that accrues, directly or indirectly, to the seller.

ROYALTIES AND/OR LICENSE FEES -- This term relates to those amounts that the buyer is required to pay, directly, or indirectly, as a condition of the sale of the imported merchandise for exportation to the United States.

PAPERWORK REDUCTION ACT NOTICE: The Paperwork Reduction Act of 1980 says we must tell you why we are collecting this Information, how we will use it, and whether you have to give it to us. We ask for the information to carry out the laws of the United States. We need it to ensure importers/brokers are comptying with these laws and to allow us to properly appraise and classify imported merchandise or correct duties and determine import admissibility, where appropriate. Your response is mandatory.

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns

Report No.:

6135OR

Surveyor:

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL: **REQUEST OF:** Ocean Crown

Voyage No.:

173

Koppers Company Inc. LOCATION: Pencil Pitch

Berth 411

Port of Portland

CMIMODITE:	renen	FILCI

	INITIAL SURVEY	FI	NAL SURVEY
DATE:	14-Apr-94		16-Apr-94
TIME:	7:30		16:30
DISPLACEMENT			
Draft Forward:	6.2200		3,1600
Draft Aft:	6.5100		6.3400
Midships-Port	6.2900		4.6000
Midships-Starboard	6.4000		4.6600
Mean of Means (Corrected)	6.3500		4.6600
Corresponding Displacement:	17,975.00		12,779.00
Trim Correction:	-4.88		-68.46
Density Correction:	1.000 -438.30	1.000	-310.01
Corrected Displacment:	17,531.82		12,400.53
DEDUCTIONS:			
Fuel Oil:	854.60		854.60
Diesel Oil:	109.40		105.40
Fresh Water:	108.00		168.00
Ballast Water:	3,584.00		4,568.00
Others:			
TOTAL:	4,656.00		5,696.00
INITIAL DISPLACEMENT	: 12,875.82	M/Tons:	6,171.29
FINAL DISPLACEMENT:	6,704.53	L/Tons:	6,073.82
TOTAL CARGO:	6,171.29	S/Tons:	6,802.67

Original Signed by Chief Officer

Chief Officer Ocean Crown Surveyor Peter Brauns

SEAPORT

Marine Surveys Inc.

Tax Identification No. 911301693

207 NE 83rd Street

Vancouver, WA 98665 USA

DATE:

ATTN:

26-Apr-94

Amos Kamerer

Office & 24 Hour: (503) 285-2246

Koppers Company Inc.

Office: (206) 574-7463

7540 NW St Helens

Fax: (503) 574-7284

Portland, Oregon 97229

Invoice No. Customer No.

6135OR

SURVEYOR: VESSEL: VOYAGE No.:

Ocean Crown

SURVEY: COMMODITY:

Draft Survey Pencil Pitch 6135OR

3681AK

B/LADING: BOOKING No.: 173

PB

REPORT No.: LOCATION:

Portland, Oregon

PO No.:	N/A	OFFICE:	Vancouver, WA		
				TOTAL	YOUR
				AMOUNT	PORTION
					100%
DATE	SURVEY FEES			ļ <u>.</u>	
14-Apr-94	Initial Draft Survey			\$225.00	\$225,00
16-Apr-94	Final Draft Survey			\$225.00	\$225.00
***************************************	SUB TOTAL - SUF	VEY FEES			\$450.00
EXPENSES	Mileage/Travel		2 Trips	\$20.00	\$20.00
	Meals and Lodging		Days		
	Photographs		Prints		
	Color Copies		Sheets	1	
	CO.C. COPIO				
	Miscellaneous				
······································	Miscellaneous	PENSES		2	\$20.00

TERMS: DUE ON RECEIPT

by:

Peter Brauns

SEAPORT MARINE SURVEYS INC.

RECEIVED

MA1 10 1994

XOPPERS INDS., INC. PORTLAND, OR

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns

Report No.:

6135OR

Surveyor:

PB

207 NE 83rd Street Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Ocean Crown

Voyage No.:

173

REQUEST OF:

Koppers Company Inc. LOCATION:

Berth 411

COMMODITY: Pencil Pitch Port of Portland

	INITIAL SURVEY	F	INAL SURVEY
DATE:	14-Apr-94		16-Apr-94
TIME:	7:30		16:30
DISPLACEMENT			
Draft Forward:	6.2200		3.1600
Draft Aft:	6.5100		6.3400
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Original Signed by Chief Officer

Chief Officer Ocean Crown Surveyor Peter Brauns

SEAPORT

MARINE SURVEYS, INC.

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

Capt. Peter J. Morrison

Chief Officer

Peter Brauns

DRAFT DISPLACEMENT SURVEY

VESSEL:	DCEAN CROWN	Voyage No.: _ / 7 3
REQUEST OF:	Koppers	LOCATION: Bendy 411
COMMODITY:	PENCUL PITCH	PONT OF PORTLAND
	INITIAL SURVEY	FINAL SURVEY
DATE:	4-14-94	<u> </u>
TIME:	0730	/6:30
DISPLACEMENT		
Draft Forward:	6.22	3.16
Draft Aft:	6.51	
Midships-Port	6.29	
Midships-Starboard		
Mean of Means (Corrected	d)6.35	
Corresponding Displaceme		
Trim Correction:	- 4.88	
Density Correction:	- 438.30	~ 310.01
Corrected Displacment:	17531.52	
DEDUCTIONS:		
Fuel Oil:	854.6	* 854. G
Diesel Oil:	109.4	105.4
Fresh Water:	107	
Ballast Water:	3584	4568 4568
Others:		. / 1.
TOTAL:	4655	5000 5696
INITIAL DISPLACMEN	T:	M/Tons: 6/7/.29
FINAL DISPLACEMENT		
TOTAL CARGO:	6/71.29	
c/a A	<i>h</i>	

Scaport Marine Surveys, Inc. and the surveyor signing this report agree to use their best efforts in behalf of those for whom this survey is made, but it is expressly understood and agreed that this survey is undertaken and this report issued with the understanding that neither shall be liable for any errors or omissions, whether due to active negligence or otherwise, in excess of the actual charge made for this survey, and that any and all persons interested in or to be affected hereby accept this report on that basis.

RECEIVED

MAY 1 0 1994

KOPPERS INDS., INC. PORTLAND, OR

421 S.W. Sixth Avenue, Suite 402, Portland, OR 97204-1624

Telephone: (503) 228-7214 Telex: 6733344 Fax: (503) 225-9310 Cable: "Gensteamco"

May 02, 1994

Koppers Industries 7540 N.W. ST. Helens Road Portland, Oregon 97210

RE: M/V OCEAN CROWN V-173

Please find original Statement of Facts for the M/V OCEAN CROWN.

Please sign original documents and return it to General Steamship corp, Ltd. Thank you.

For your guidance we have enclosed a copy for your files.

Thank you for your co-operation.

Regards,

General Steamship Corp, Ltd. As Agents for Pan Ocean Shipping

Avila, Sandra J.

Operations

Enclosures

RECEIVED

MAY 03 1994

KOPPERSINDS, INC. PORTLAND, OR

General Steamship Gorporation, LTD.

421 S.W. SIXTH AVENUE, PORTLAND, OREGON 97204 (503) 228-7214

Telephone: (503) 228-7214 Telex: 6733344

Fax: Cable:

(503) 225-9310 "Gensteamco"

STATEMENT OF FACTS

"OCEAN CROWN" M/V V-173

COLUMBIA RIVER DISTRICT PORT:

PAN OCEAN SHIPPING

CHARTERERS:

SANGYONG

CARGO-DISCHARGED:

6171.29

M/T PENCIL PITCH IN BULK

Arrived: Col/River Seabouy at 0100 hours 04/12/94

Notice of Readiness Tendered:

et 0845 hours 04/12/94

Pilot On Board:

at 0145 hours 04/12/94

Notice of Readiness Accepted:

Anchored: VANCOUVER, WA.

at 0845 hours 04/12/94

KOPPERS INDUSTRIES, INC.

at 1030 hours 04/12/94

Departed Anchorage:

at 0530 hours 04/14/94

Commenced Discharge

at 0800 hours 04/14/94

Berthed: HALL BUCK

at 0710 hours 04/14/94

Completed Discharge

at 1610 hours 04/16/94

PORTLAND, OREGON

Sailed: PORTLAND, OREGON

at 1910 hours 04/16/94

Shifting Details:

SHIFTED FROM VANCOUVER ANCHOR TO HALL BUCK

0530-0710/14TH

Date	Day	•	Worked To		• •	 Gangs	Quantity Loaded	 Remarks
04/14/94	THURSDAY	0800	1700	1200	1300		M/T 1600	 0815 hours - First cargo discharged
04/14/94	THURSDAY	1800	0300	2200	2300	1	1400	
04/15/94	FRIDAY	0800	1700	1200	1300	1	1482	
04/15/94	FRIDAY	1800	 0300	2200	2300	1	700	
04/16/94	SATURDAY	0800	1700	1200	1300	1	989.29	 1610hours - Last cargo discharged
		! !					,	! !
Domarko	 	! !	 		 	 		l

Remarks/ETA:

vancouver anchor 4-16-94

PORTLAND, OREGON

4-16-94

Place and Date

HO-GYEONGPHASTER M/V OCEAN CROWN

SANDRA J

GENERAL STEAMSHIP CORP., LTD.

As Agents for PAN OCEAN SHIPPING

INDUSTRIES, INC. Charterers FOR KOFMIA

Anchorage, AK Dutch Harbor, AK Emeryville, CA Freehold, NJ Homer, AK Houston, TX Kenai, AK Ketchikan, AK Kodiak, AK New Orleans, LA Norfolk, VA Philadelphia, PA Portland, OR San Francisco, CA San Pedro, CA Seattle, WA Seward, AK Tampa, FL. Valdez, AK. Vancouver, B.C. Whitter, AK.

ADDENDUM TO STATEMENT OF FACTS M/V OCEAN CROWN V-163 DISCHARGE PENCIL PITCH HALL BUCK TERMINAL

APRIL 14, 1994 (THURSDAY) ONE GANG/NIGHT SHIFT =========== WEATHER FAIR 0100-0105 RAISE PAN/TRAVEL TO HATCH NO. 4 0105-0110 UNCOVER HATCH NO. 4

SANDRA AVILA, OPERATIONS REP GENERAL STEAMSHIP COPR, LTD

INDUSTRIÉS

AS AGENTS ONLY FOR PAN CEAN SHIPPING

Koppers009103



FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663

TO: J. Schaum	DATE:	Telephone: (503) 286-3681 FAX: (503) 285-2831 Y/27/94 8/30
FROM: Amos Kamenen	TOTAL #	OF PAGES: /
RE: HALL-Buck MANINE BAYOUTE # 942	515	
Subject INVOICE CONFECT AND C	of to PA	<u> </u>

IF INCOMPLETE OR POOR QUALITY TRANSMITTAL, PLEASE CALL 503-286-3681.



HALL BUCK MARINE, INC.

PIO HOX 35 BURNSOD, LOUISJANA 707 59

11. 72 10 110

#45.40 Bir 942715

W. 31 (34)

logies Industries, lie. of a Eggers, building

Transfer with the Administration Pro-

A STEEL HONE

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CUSTOMERNO HEELHENGE Attachment-1: Applicable

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Mark Jan

: COMMERCIAL

GENERAL EXPORTER IMPORTER & MANUFACTURER

SsangYong Corporation

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TO ORDER

INVOICE

1.0 2 d 3-10 CHI-VAUNZAHA HATEN MAK, 24, 1994

PORCHASE ORDER NO 1984 11.70-2 DATES MAR 22 1994

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CIF. INDI OF MARTING DEF DATE STAY 28 1994

PORT OF PORTLAND, ILS &

THE SERVICE OF A COURSE WHEN YOUR

CHAL TAR PENTIL PITCH

N/M IN MUCK

THE PERSON OF STATE

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- ES INTLARS (FO MILLIAN INCHINING CONTROL * 5MY 1969年(1777) (ARE)
- * PAYMENT TO THE THE PLEASE PAY THIS INCOME AND MY THE SUBSEMIC TRANSFER WITH CITTBANK NEW YORK 111 WAY STREET TOOL NEW YORK MY INSEL ON IN FAVOUR OF SSA'S FORSE CORPS OF ITS OF HIMTER SECTION IT 事情人 化自己系统 自由人 人名西兰人姓氏拉

Ocean CHOWN

KII (lense And Davier Costs) (44×58)
SUNRISE

2,552 26,145 28,697

\$28,697 - 6803 TONS = \$4,22/TON AVG. \$4,09/TON
1AST Ship

HOURS - SUNNISC 436
KET 44
TOTAL 480

6,802 TONS + 480 hrs. = 14,17 TONS/Truck hour LAST Ship = 14,38 " "



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-824-5971 • FAX 1-206-574-8062

TRK		DRIVE	₹		/14	4/1	5	4/16		
115 133 139 159 159 166 169 171 182 187 190 131 307	JOS KUL BUT RIC BLA THA STE LA LEB WIL SWI CAF REM	EPH FLO AVICK TENS K KOLSI NTON TCHER PHANIE RUE OKI LIAMS TZER FEY SING		3,5° 10° 7' 98.5° 8.5° 9.5 8.50 9.5 8.50 9.5 8.50 9.5 8.50 9.5 8.50 9.5 8.50 9.5 8.50 9.5 8.50	8:	6	12.5 9.0 % 7.5 7.5 7.5 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7	6. 6.	5 /Acr, Sample 5 nor butlens 5 5 6	
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SOLO	DUMP	50.00	PER HR	458	. 25		400.0	00	0	. •
				TOTA	L	\$27	,475.00	0		

SPECIAL DISCOUNT: IF YOU CAN PAY THIS FREIGHT BILL BY APRIL 29 TH, WE WILL GIVE YOU A 2% DISCOUNT. THE LICENSING FOR OUR FULL FLEET IS DUE AND WE WOULD APPRECIATE IF YOU COULD TAKE ADVANTAGE OF THIS DISCOUNT.

SUNAISE 5/8 / OADS 12

KIT 44 14

562 6,832 TONS

12.16 Tons / 10ADS

74,320#

5419 N.E. 88TH ST. VANCOUVER, WA 98665 1-800-824-5971			ORIGINAL	FRT. BILL NO.		
FAX-1-206-574-8062	SHIPPED	INVOICED	TERMINAL	TRAILER	SHIPPERS NO.	
S H T-4 P	04/14/94 TRACTOR	04/18/9/ DRIVER	-02			
E R PORTLAND, OR			2%	10 days		
59925			C	MILES 0 PRO	X61885	
KOPPERS INDUSTR	·		, , , , , , ,	KOPPERS INDUSTRIE 7540 NW ST HELENS		
PORTLAND, OR 97	⁷ 210 ⁻³⁶⁶³		E	PORTLAND, OR 97210 3663		

		WE K	UOY YOU	HAI	D A CH	HOICE	TH	ANKS FO	OR (CHOOSI	NG SI	JNRISE		
PCS		FRE	IGHT DES	CRI	PTION			WEIGH	HT.	B-W0	ЭНТ	RATE	AMOUN	11
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	TRK	133	33.00								0	FLAT	1,98	0.00
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	TRK	169	43.0								0	FLAT	2,58	0.00
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				16	1601/2 14-			!		1	S	UBTOTAL	26,14	
(REV 2/89)			/10	[[[int.	_ / _	94					DISC 2%		
				_	4-	2/-	/ /					TOTAL	25,62	$\frac{1}{2.1}$

Koppers009109



KOPPERS

FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663

TO:	W. Turner, J. Schaum	DATE:	4/		Pone: (503) 286-3681 FAX: (503) 285-2831
FROM:	Amos	TOTAL #	OF	PAGES:	2
RE:	Korean Pitch " Ocean Crown"				<u>.</u>
				··	
He	re's A copy of the draft survey				
W	hat was the towninge on the bil	7			
	ONLY	Receive		6,000	M. Tons
		into pla			

IF INCOMPLETE OR POOR QUALITY TRANSMITTAL, PLEASE CALL 503-286-3681.

APR-18-94 MON 12:19 SEAPORT MARINE

SEAPORT

MARINE SURVEYS, INC.

Cept. Peter J. Morrison Peter Brauns

Chief Officer

207 N.B. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

DRAFT DISPLACEMENT SURVEY

VESSEL:	DCEAN CROWN	Voyage No.: /73
REQUEST OF:	KOPPERS	LOCATION: BEATY 4/1
COMMODITY:	PENCUL PITCH	PONT OF PORTLAND
	INITIAL SURVEY	FINAL SURVEY
DATE:	4-14-94	4.16.94
TIME:	0730	16:30
DISPLACEMENT		
Draft Porward:	25.3	3.16
Draft Aft:	6.51	
Midships-Port	6 29	
Midships-Starboard	6.40	
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Corrected Displacment:	17531.82	
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Diesel Oil:	109.4	105.4
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Ballast Water:	3584	4848 4568
Others:		
TOTAL:	4655	5696 5696
INITIAL DISPLACMEN	NT: 12875 8Z	M/Tons:
FINAL DISPLACEMEN		L/Tons; 6073.82
TOTAL CARGO:	6171.29	S/Tons: 6802,67
	4	
40 10	m Z	

Scaper Marine Surveys, Inc. and the surveyor wigning this report spine to use their beautifors in behalf of those for when this survey is made, but it is expressly understand, and og med that this survey is understand, and this report branch with the understanding that neither shall be hable for any enters or recisions, whether due to active neighborne or otherwise, in excess of the sexual charge made for this survey, and that any and all persons intenseted in or to be effected hereby accept this report on that basis

201

KOPPERS

Walter W. Turner
Vice President and Manager
Marketing and Development
Industrial Pitches and Related Products

Post-1 " prand fax transmittal memo 7671 # of pages > 2

To Amas Lamerer From WW Laurer
Co. KI I
Dept. Phone #
Fax #

Fax #

April 12, 1994

Koppers Industries, Inc. 436 Seventh Avenue littsburgh. PA 15219-1800

> Telephone, (412) 227-2288 FAX: (412) 227-2202

Tolox: 402-337

FAX NO. 514-697-7381

Dr. A. Topper A. Topper Carbon, Ltd. 308 Pine Tree Crescent Beaconsfield, Quebec CANADA H9W 5E1

Dear Tony:

For your reference, attached is our analysis of the pre-shipment sample for the "Ocean Crown" vessel. As you can see, the results are very acceptable with the exception of the Distillation to 360°C. We are going to further test this property and will make you aware of the results.

If you have any questions, please feel free to call.

Best regards,

Walter W. Turner

WWT:djk

Attachment

bcc: Paul Stadel - Please double check the Distillation to 360°C.
Amos Kamerer



INTEROFFICE CORRESPONDENCE

To:

W. W. Turner

From:

P. A. Stadel

Location:

K-1600

Location:

KII Technical Center

Subject.

Korean Pitch -

Date:

April 12, 1994

Preshipment Sample

Listed below is the preshipment sample analysis of the next Korean ship shipment. Our analysis of this sample is very close to the Kosco's analysis.

		ent Sample ch 24, 1994
	Kosco Analysis	Technical Center QC Lab Analysis
Softening Point, °C	110.7	109.5
QI, wt. %	10.1	10.2
TI, wt. %	28,5	27.8
Beta Resins	18.4	17.6
Coking Value, Conradson, wt. %	55.5	54.7
Specific Cravity	1.320	1.322
Distillation, 0-360°C	2.3	3.9
Ash, wt. %	0,20	0.23
Iron, ppm	150	125
Sulfur, wt. %	0.44	0.47
Godium, ppm	154	146
Lead, ppm	92	82

Paul A. Stadel

/mg

CC:

L. F. Flaherty Amos Kamerer K. J. Fitzgarald



FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663

TO:	Stephanie (Ayacski	DATE:	Telephone: (503) 286-388 FAX: (503) 285-283 4//2/94
FROM:		TOTAL	# OF PAGES: Z
RE:	Kosro Pitch Ship "Ocean Crown"		
	The ATTAChed for your files		
			-
IF IN	COMPLETE OR POOR QUALITY TRANSMITTAL, PLEASE CALL 503-28	36-3681.	

SCC General Steamship Corporation LTD.

SAN FRANCISCO, CA 94119 400 Celifornia Street (415) 772-9200

> MAILING ADDRESS: P.O. BOX 3460, S.F.

SEATTLE, WASH, 98121 2101 Fourth Avenue (206) 382-4400 PORTLAND, ORE. 97204 421 S.W. Sixth Avenue (503) 228-7214 LOS ANGELES 90017 — 624 So. Grand Ave. (213) 688-1200

HARBOR OFFICE - SAN PEDRO 90731 (213) 832-0314 478 W. 7th Street

NOTICE OF READINESS

	APRIL 12,	19_94						
Messrs/ KOPPERS INDUSTRIES, INC.								
M/V "OCEAN CROWN	I"	-						
Gentlemen:								
This is to notify you that the subject vessel arrat 0100 hours on APRIL 12.								
now in all respects ready to commence loading	/discharging her cargo in	accordance with all						
terms, conditions and exceptions of the relative charter party.								
This notice is tendered at	APRIL 12,	19_94						
•	Very truly yours							
	MASTER	MAYOGEAN CROWN						
Accepted:								
As of 1030 hours APRIL 12,	19_94							
KOPPERS INDUSTRIES INC. For Charterers By:								
Aff A.S. KAMERE	<							

08:06

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MV CYCLAN CROWN V-173

POHANG, KORŁA

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Por el familia,

1985年197日(1986年1月)(4)(1985年1月2日)(5月1日)(1

W/HIN BOOK

6.000 MEDICAL PONS OF CRIAL TAR FINCH PITTH

* PURCHASE ORDER NO. OM4-1670-2

DATED MAR. 22, 1994



ON BOARD DATE: MAR. 30, 1994

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CHARTER-PARTY dates PHURIEL ANYANGE. Hadawad on account of Ireign SHIPP & D condition on nower the Vessel for contrige to the Post of Discriptue of so near thereto us the may safely get the goods specified above.

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SHOUL, KUPBA, MARCH 30, 1994

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PROPERTY NOW NO

PAN DEEAN SUPPING CO. LTD. Koppers009116

THREE (3)

 $P.\geq$

SSANGYONG CORPORATION

PACSIMILE WESSAGE

DATÉ: 94. 04, 01.

TO ; FAX. NO. : 412-227-2702

FROM : FAX: NO. : 270-8358/2/0-8771

08:06

COMPANY : KOPPERS INDUSTRIES INC. CHEM.SECT.1 (TEL : 270-8484)

ATTN. I MR. W. W. TURNER

NAME : S.C.HUR

YOUR REF. .

OUR REF. : CH1-40148C

TOTAL NUMBER OF PAGES INCLUDING COVER: 2 PAGE(S)

SUBJECT : SHIPPING ADVICE OF COAL TAR PENCIL PITCH TO PORTLAND

WE ARE PLEASED TO INFORM YOU SHIPPING DETAILS AS FOLLOWS.

* VESSEL RAME - MV. OCEAN CROWN

* DEPARTURE DATE : MAR. 30TH, 1994.

* QUANTITY : 6,000MT

* AMOUNT : V\$D1,290,000 00

* ETA PORTIAND : APR. 127H, 1994.

* F/ORDER NO. : OM5-1670-2

PLEASE REFER ATTACHED BILL OF LADING.

APPRECIATING YOUR COOPERATION.

BEST REGARDS.

ATTACHMENT . DILL OF LADING -1-

INSURANCE FOLICY 1

Post-If briend fax fransmittal memo 7671 | e of pages > 000 Wall teamer



Cc Ames Ken Paul Thomas

Okenn C) bises KOREA STEEL CHEMICAL CO., UTO SAMDO BERG T TO STEEM TO TO SUNHAW DOTAL TO MAY OF SECURITY TO TELL TOU 0221 TA C TO SAME TELL KNOSO OLD WESTERN GABLE TROSTOFF WESTERN

FAX NO.	KOPPERS 412-227-2202	DATE	MAR. 31, 1994
то	MR. WALTER W. TURNER	FROM	M.W.CHUN/J.H.HA
SUBJECT	1ST SHIPMENT OF KOPPERS PITCH CARG	0	<u></u>
TOT	AL NUMBER OF PAGE(S) 1 (ONE)	, INCLUDING	G COVER SHEET

ATTN: MR. WALTER W. TURNER

C.C. : MR. A. TOPPER

RE: 1ST SHIPMENT OF KOPPERS PITCH CARGO

WE ARE PLEASED TO ADVISE YOU THAT 6,000 M/T OF KOPPERS PITCH WERE SHIPPED PER "OCEAN CROWN" WHICH LEFT ON MARCH 30, 1994 WITH ETA PORTLAND APR. 17, 1994.

WE WILL SEND SHIPPING DOCS SOON.

BEST REGARDS
M.W.CHUN / J.H.HA

MAIN 2 1 1994

RECEIVED

APR - 4 1994

KOPPERS INDS., INC. PORTLAND, OR mas Kinnerer Kettander



Date 4-14-92/ Material Hauled Pencel PitchCustomer Coppers Origin T4 Port Destination Coppers Job# Starting Time 6,30 Lunch Time Ending Time 5,00 Total Hours										
Material Hauled	nce	.(Pitc	<u>L</u> Custo	mer/\	Cop	per	S		
Origin 74		8xt		Destina	ation <u>Co</u>	pper	<u>د</u> د	lob #		
Starting Time 6,30	<u> </u>	nch Time .		/	/ Ending Time	5,00	Total H	lours 9/2		
RatePer//OU -/yTotal Earnings										
Truck # 169 Trailer # BD 9 OR PUC # NCJ872 TARE WI										
DELIVERED TO Coppers Portland Ore	TIME	PLANT TIME OUT	TIME	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED			
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TOTALS			<u> </u>							
Note: Owner/Operator re	Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage.									
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.										
Driver Name	_S	10/0	ha	nie	Driver Sign	ature	Cel			
Contracting Company	Signatur	e			1		·			



Date <u>2/-//- 94</u>									
Material Hauled <u>Peni</u>	CIL P	itch		Custo	mer Koppe	rs	INel		
Origin 7-4- Po	TLAN	vel_		Destina	ation <u>Fort</u>	ENel	J	ob#	
Origin 7-4- Po)Lur	nch Time	<u> </u>		Ending Time_5	1.15	Total H	ours_10/4	
Rate									
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DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR	
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TOTALS									
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Driver Signature Driver Signature									
Contracting Company Signature									



Date	<u>7</u>	. /	7/		/	00,0	5	
Material Hauled	l MCC	<u> – Eu</u>	12 A	Custo	omer	If ES		
Origin				Destina	ation <i>loffel</i>	SHAWT	Job)#
Date	Lur	nch Time	44	3	Ending Time	500	Total Hou	urs_6 ////S
Rate		Per_				Total Earr	nings	
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Driver Name <u>JA</u> C	Signatur	(printed)	172	M	Driver Sign	ature <u>Lau</u>	K Jus	
	Signatur	ਦ _	 		· · · · · · · · · · · · · · · · · · ·			/



	Date 4-14-94									
	Material Hauled Long	al P	stele		Custo	mer Koppe	مسلمان			
	Origin T-4/Part	land.	Ore		Destina	ation Postla	and O	re	Job #	
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	Driver Name <u>Kuch</u>	K	oski	· ·	7-7	Driver Sign	ature <u> Ku</u>	ek K	oski	
	Contracting Company	Signatur	(printed)	م المنتعاند ال	- 18 in	٧			W	
	g company	J. J. 14(4)			18.5	v i is it is the				2.11
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TOTALS Control of Each day for payment.				<u> </u>	<u> </u>	



5419 N.E. 88TH ST. • VANCOUVER, WASHINGTON 98665 (206) 574-5971 • OUT OF STATE 1-800-999-5971

MATERIAL H	HAULED <u>» 🤇</u>	Percile min	FA	X 1-206	-574-8062 CUSTO	OMER	RODO	e (S	
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Date 4-14-94		714-3511	·	Jiale		1 • 1"AX 1-2	.00-37 4-000	ob #
Material Hauled	PENCIL.	filen	<u> </u>	Custo	omer	Offes		
Origin $\int -4$			·	_ Destina	ation	es PLAN	<u>/</u>	ob #
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If you don't get it. Driver Name					it. Driver Sign	atura 1	(Kom) alm
Contracting Company	Signatur	(printed)	-		Driver Sign	ature_//	-	



Contracting Company Signature

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Date 4-14-94	<i>;</i> ,	^			•)	I			
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Origin T-4 Peri	land			Destina	ation Logo	25	J	ob #	
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Rate		Trailer #_	BO	74	_OR PUC #_ <i>V</i>	NJK44	S TAR	EWI 3	700
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Note: Record your time					only.				
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Date	— *	Λ	10_	Λ	1			
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TOTALS								
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Contracting Company	Signatur	(printed)	11		In	7		·



5419 N.E. 88TH ST. • VANCOUVER, WASHINGTON 98665 (206) 574-5971 • OUT OF STATE 1-800-999-5971 Dencik picHFAX 1-206-574-8062 MATERIAL HAULED ORIGIN OF HAUL JOB NO TRAILER NO STARTING TIME 6: AM LUNCH TIME / HR ENDING TIME ? TRUCK # 139 RATE & Howel TOTAL HOURS PER TOTAL EARNINGS TARE WT PLANT PLANT DUMP DUMP DOWN TIME NET NET REMARKS DELIVERED TO TIME TIME TIME TIME TONS YARDS OR OUT IN TUO IN STAND-BY HAULED HAULED KOPPECS 11 (1 5019 (, Π TOTALS TICKETS MUST BE SIGNED AND SUBMITTED AT THE END OF EACH DAY FOR PAYMENT OWNER/OPERATOR RESPONSIBLE FOR ALL INSURANCE AND ANY/ALL PROPERTY NOTE: DAMAGE RECORD YOUR TIME TO THE NEAREST 1/4 HOUR ON TOTAL HOURS ONLY. NOTE: IT IS YOUR RESPONSIBILITY TO GET ALL TICKETS SIGNED. CHARGE STANDBY TIME FOR ANYTHING OVER 15 MINUTES.

GET IN ON YOUR TICKET YOU WILL NOT BE PAID FOR IT.

DRIVER NAME OF THE OWNER SIGNATURE (PRINTED) CONTRACTING COMPANY SIGNATURE

The second secon

Shift 2

SUNRISE EXPRESS, INC.



Date 4-14-94					1-000-333-337					
Material Hauled	ncel	Pete	h	Custo	omer Kong	2021				
Material Hauled Porigin T-4 por	Mane	1, or	<u>e</u>	_Destina	ation forth	and o	ne	lob #		
Starting Time 6.00	<u>p. ₩</u> Łur	nch Time ₋	1+	ove	Ending Timec	2143A.	<u>~_</u> Total ⊦	lours		
Rate		Per_				Total Earr	nings			
Truck # 159	-	Trailer #_	BD#	6	_OR PUC #_ / ^	MU023	3TAR	EWI 34,000		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	NO HAUL TKT#		
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	`		1	205						

TOTALS							7			
Tickets must be signed Note: Owner/Operator r										
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.										
Driver Name	(K	(printed)	SKL		Driver Sign	atureK	icle k	(oskl		
Contracting Company	Signatur									



Date 4/- 14/- 91/					1-000-333-337			•
Material Hauled Pen	1012 1	OITCh		Custo	omer Kopp	ers	INel	0# urs_83(
Origin	OTTLE	rich		Destina	ation <u>Ports</u>	much	Jot)#
Starting Time 6.00	Lur	nch Time	2/2		Ending Time 3	.15	Total Hou	ırs 839
Truck #		Trailer #_	Beni	1	_OR PUC #_ <u>\</u>	IDR 20	3_TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		DUMP TIME OUT	OR	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Koppers	6 00 6 00 7 3 7 8 10 8 5 5 9 3 5 17 5 5 1 5 0 2 30	6.20 7.05 7.45 9.45 11.45 12.45 2.00 2.45						
TOTALS								
Note: Owner/Operator in Note: Record your time It is your respons Charge standby the If you don't get it. Driver Name Fee! Contracting Company	responsible to the neadibility to get ime for an on your tick	e for all in arest 1/4 het all ticke ything ove ket you w	surance nour on to ts signed er 15 min	and any/a otal hours l. outes.	all property dama only.	age.	reef K	Rece



, , , , , , , , , , , , , , , , , , ,	- NCIL	1.10		Custo	omer <i>C</i>	NOTO	. 7-	
Origin				Destina	ation <u>KAPER</u>	3 TLAN	Job	#
Date	Lur_Lur	nch Time .			Ending Time	00	Total Hou	ırs
Rate								
ruck # <i> 90</i>		Trailer #_	£2 19	<u> </u>	_OR PUC #		TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	645							
	75				20	<i>V</i>		
	100	2		\ 	D T			
	230							
TOTALS								



	7 8	011	1.1		1/.					
Material Hauled	<u>cevo</u>	- Pit	ch	Custo	omer Koj	ngier,	. 0	<i>n</i>		
Origin	inverty	<u> </u>		Destina	ation <u>7590</u>	61.00.51.1	Holans Re	lob#		
Material Hauled	<u>O P M</u> Lui	nch Time .	1000-	1100	Ending Time	24544	7_Total F	lours 5 / 4		
Rate		Per_				Total Earr	nings			
Truck #// \(\)		Trailer #	BO-	2	OR PUC #_/	15K 4	27 TAR	E Wt		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	TIME	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT#		
Kopper	650	700	1813	115						
	725	810	348	74						
	755	816	820	830						
	92× 1000 1135				14.40	a n		Delayed by TRAIN ONE Chute,		
	730	 			LENGINDA	100 any	our of	one Chule		
	1				*					
	 									
	-	-								
					-					
	 -						.			
		-				 				
	 	-				 				
TOTALS										
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.										
Driver Name W. G.	Olar -	(printed)	oti C	*	Driver Sign	ature V	Or Je	The second		
Contracting Company	oignatur	e			-	71000				



Material Hauled	2041			Custo	mer			
Origin Port	- TL	1		Destina	ation <u>Ca</u> ,	Oppr	Jo	b#
Material Hauled	Lur	nch Time .	120	00_	Ending Time	11:00	Total Ho	urs//
Rate	<u>.</u>	Per_	hou	1×5		Total Earr	nings	
Truck # <u>/6 6</u>		Trailer #_	BO	//	_OR PUC #	15/7	2TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		TIME	DOWN TIME OR STAND-BY	TONS	YARDS	REMARKS OR HAUL TKT #
	630	57/3C	2860	835				
3		8.55						
4	1110	1055		1140		,		
	12.55	113	120	2:00				
9	321	325	305	3/0	<u> </u>		.,	
2	4/6	420	732	445	3			
g	5:00		100					
	·							
				-				
		-						
				,				and the state of t
TOTALS								
		<u> </u>				<u> </u>	<u> </u>	
Tickets must be signed						•		•
Note: Owner/Operator r						age.		•
Note: Record your time It is your responsi Charge standby ti If you don't get it of	bility to ge me for an	et all ticke ything ove	ts signed er 15 min	l. utes.			<u> </u>	No really
Driver Name		The	atch	~	Driver Sign	ature	Vullar	ed)
Contracting Company	Signatur	(printed)	1	FARO	YA KW	hler		



Matchai Haulcu	10 CC	o Cu	/-c.	Custo	omer			
Material Hauled	The	1 F	LT	Destina	ation Cop	per I	nJob	#
								rs
Rate		Trailer#_	BO	11	OR PUC #_^	J 178	TARE	Wt
DELIVERED TO	TIME	PLANT TIME OUT	TIME IN	OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	1600	0600	6440	755				
	2 716	010	273	2 90				
	100	133	100	110	T			
	4013	599	1300	1125				
	21/2/3	1:16.	2/3	5/3	30			
	7/4	272	521	1 31	2			
	16 36CX	D 022	<u> </u>					
9.700.51	<u> </u>							
	-	ļ						
	-							
Y-		ļ						
					2-24			
							<u> </u>	
TOTALS		<u> </u>						



Date 4-14-94	<i>-</i> }-				1-800-999-597				
Material Hauled 100	E. I	Ach		Custo	mer Kopp	ers m	156.	Job #	• •
Origin 1000 1000	x Hov	\$ -T	. 4	Destina	ation <u>Hoppe</u>	us (tho	<u> </u>	Job #	
Starting Time 600	C Lur	ich Time			Ending Time	BOOAM	Total F	lours	
Rate		Per	HR			Total Farr	ninge		
Truck # 187	134				OR PUC #_\				:
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR STAND-BY		NET YARDS HAULED	REMARKS OR	
HOPRINS	() (n 10				上公心中	
	655			645			20 //	2	
3	750			6 / 5			11		
4	350			905			11	<u> </u>	٠
	1100		1 3 3 3	951 1152		e5 a	11	6 3 10 - 100	والمنافظة
5	1205		, 1100.	253			i.	7	
8 9	105			145					
	215			203			,,	\$ 1/25	
	230			228			1 (14,5	
	<u> </u>			220					,
									-1
		,							
	, ;								
									٠,
TOTALS									
Tickets must be signed Note: Owner/Operator r Note: Record your time It is your responsi	esponsible to the neal ibility to ge	e for all in arest 1/4 h et all ticke	surance nour on to ts signed	and any/and otal hours	all property dam				
Charge standby ti					it.				
Driver Name	Me	Lelpo	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Driver Sign	ature		MAN TO A WAR	
Contracting Company	Signatur	(printéd) B	<i>1</i> 7%	,	Stand of	Madle			٠
									2.



Date 4-14-94	(200) :	114-551 I	, Out o	I State	1-000-999-997		.00-314-0002) #	
Material Hauled	ENCIL	Lited	<u>'</u>	Custo	omerKo	AKKS.			
Origin				_Destina	ation <u>Kuffers</u>	PLANT	Job)#	
Starting Time 600/	<u>^</u> Lur	nch Time _	1 HK	? 	Ending Time	300 fm	Total Hou	urs	
Rate		Per_				Total Earr	nings		
Truck # 307	Trailer # B				_OR PUC #	Total EarningsTARE Wt			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
3	600 655 730 815								
\$ 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	900 1110 1210 130 220								
					· ·				
TOTALS									
Tickets must be signed Note: Owner/Operator of Note: Record your time It is your response Charge standby to If you don't get it of	esponsible to the ne- bility to gime for ar	le for all in arest 1/4 het all ticke bything over	nsurance nour on to ts signed er 15 min	and any/antal hours	all property dama				
Driver Name KIC	H KE	mSIND (printed)			Driver Sign	ature	C. Hore	y	
Contracting Company	Signatur	.,				·	<u></u>	/	



Date 14.14.94					,			
Material Hauled <u>Pe</u>	acil_	PHO	1	Custo	omer hoppy	e:S		b# urs_8'/2_
Origin T-4 Parts	and			Destina	ation hoppe	إسلار	Jo	b#
Starting Time 600	<u>ara Lur</u>	nch Time .	1 4:5		Ending Time	<u>3:30</u>	Total Ho	urs_81/2
Rate		Per_	HR			Total Earr	nings	
Truck #\33	\$°	Trailer #_	BD 14		OR PUC #_{\frac{1}{2}}	13K 445	TARE	wt 32.500
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
hopers	5.00 605 700 8.55 7.25	6:25	040	650		,		
, ,,	10125	710	7:20	7.36	:	.2		
., 11	8:55	000	9.77	33		4 5		
Roppers	7.35	9:15	1000	10.05		S		
11	10-20	3:2	13.30	13/15	TRAIN	5		
, "	19-2	1:20	1:36	1140				
,,,	235	3.05	3.30	5.53				
	O-363	<u> </u>	3,00	3/8			4	
				·				
		•						
TOTALS						_		
Tickets must be signe Note: Owner/Operator Note: Record your time It is your respons Charge standby t If you don't get it	responsible to the neadibility to gettine for an	e for all ir arest 1/4 h et all ticke ything ov	nsurance nour on to ets signed er 15 min	and any/ otal hours f. outes.	all property dam s only.		~	1)
Driver Name	5	(printed)	(L)	M	Driver Sign	ature	scalo	
Contracting Company	Signatur		mont	Simil	7	·		<u></u>



ngin <u>/ / / / / / / / / / / / / / / / / / /</u>	11100			Destina	ttion <u>K @) Q € /</u>	> Y GIT G	<u>//</u> Job	#
laterial Hauled <u>Pe</u> Prigin <u>T-Y-Po</u> tarting Time <u>6.7 C</u>	<u>O</u> Lur	nch Time			Ending Time_=	(00	Total Hou	rs9
ate		Per_				Total Earr	nings	
ruck # <u>187</u>		Trailer #	BOIL	2	_OR PUC # <u>//</u>	BY 63	<u>لاگ</u> TARE V	Vt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT		TONS	NET YARDS HAULED	REMARKS OR HAUL TKT#
	6:00		6:40	6:15				
	7:00 7:50 8:23		6:40 7:30	7.36				
	1/2 18.2 3			8:28		vien		
	875			7:04		1200		
	9:22			9:48				\$4F-340.
	11:05		11:35	11:42	<u> </u>			···
	12:45		<u> </u>	12130	<u>, </u>			
	1 15			2.09				
	2:21			2:45				·7:
		1	 	ļ				· · · · · · · · · · · · · · · · · · ·
	+			 		<u> </u>		
			<u> </u>					
								
			1 .					
						· · · · · · · · · · · · · · · · · · ·		
TOTALS								



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date //		, /	$\gamma_{\rm c}$	1						
Material Hauled Fe	nce	1 Va	tel	Custo	omer	ppe	Y'	ob #		
Origin	Par	<u> </u>		Destina	ation	Hand	Jo	ob #		
Starting Time 5,00	<u>)</u> Lui	nch Time	e de la companya de l		Ending Time 3	100	Total Ho	ours		
Rate Hourly		Per_		Total Earnings						
Truck # 169	•	Trailer #_	BD	9	_OR PUC # <u>.</u> <u>እ</u>	1CJ 8	172 TARE	E Wt		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	TONS	NET YARDS HAULED	OR ALLER		
Ropper Portland Ore	5,00 2,20 8,30 9,25			2,05 7,40 8,20 9,10		·		hoad Load Load		
	10.05			11,40				hoad hoad hoad hoad		
								Macox		
•										
TOTALS				<u> </u>						
Tickets must be signe Note: Owner/Operator r										
Note: Record your time It is your respons Charge standby t If you don't get it	to the nealibility to go	arest 1/4 het all ticke	nour on to ts signed er 15 min	otal hours I. outes.	only.	a yc.	. 0			
	- Janaary -		*******				1//			

Driver Signature_

Contracting Company Signature



Date 4-15-94		71 4 557 1			1.		.00 01 4 00	,_
Material Hauled	Lisa	pite	J	Custo	omer0	PP ers		
Origin T-H		· · · · · · · · · · · · · · · · · · ·		Destina	ation Koy	ppers	<u> </u>	ob #
Starting Time 5:00	Lur	nch Time			Ending Time	5:00	Total H	lours
Rate		Per				Total Farr	ninas	1 -
Truck #_307		Trailer#_	3 ml	د لکمارا	R PUC #_N	170011	7TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	TIME	DUMP TIME OUT	OR	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	7:05 7:35 8:15	7 10						· ·
	2.0≤ 2.0≤ 2.0≥	13.10	m		Lunch thr			
	1715 2100m	17.25 h 2:3						
					a P	4074	ऽटर्ग ऽ	
ų			7					
TOTALS								
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsible to the nead bility to go ime for an	e for all ir arest 1/4 h et all ticke ything ov	nsurance nour on to ts signed er 15 min	and any/otal hours	all property dama	age.	All.	
Contracting Company	Signatur	(printed)	3	Horald	K. Brether		1	



5419 N.E. 88th St. · Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062 Material Hauted Customer Origin Destination_ Starting Time Lunch Time Ending Time. **Total Hours** Rate Total Earnings TARE Wt. Truck # Trailer# OR PUC# **DOWN TIME PLANT PLANT DUMP DUMP** REMARKS NET OR TIME **TONS YARDS** TIME TIME **DELIVERED TO** TIME OR IN OUT STAND-BY **HAULED** HAULED. **HAUL TKT #** IN OUT TOTALS Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. **Driver Name Driver Signature** Contracting Company Signature



Material Hauled	2nci	1	ital	/ zCusto	omer	ppe	(~	
Origin T-4/ Y	2-t			_Destina	ation Par 1	tand	J	ob #
Starting Time 7,00	Lur	nch Time			Ending Time	5,00	Total H	ours
Rate Hour	1	Per_				Total Earr	nings	
Truck #	(Trailer#_	BD	9	_OR PUC #_ <u>f\</u>	CI 8	<u> 72</u> tar	E Wt
DELIVERED TO	TIME	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Ropper	8.00	,	ļ	0 56				road
Portland	2100			7,00				toad
One	910	5		10.0	()			Lead
	1012	0	<u> </u>	10,5	0			Load
	10,0	2		1113	Ò			Load
	1113	3		11.3	<u> </u>	·		Load
	11.5	<i>D</i> :	: 1	211	2	` '		Load
	3/2	?		3,03	<u> </u>			Load
	2/00	<u> </u>		3151	<u> </u>			Load
	7/0	2		7,5	<u></u>			10000
	3/0							
			<u> </u>		-			
	ļ							
		· • • • • • • • • • • • • • • • • • • •						
TOTALS								
Tickets must be signed Note: Owner/Operator r								
Note: Record your time It is your responsi Charge standby ti If you don't get it o	bility to ge me for an	et all ticke ything ov	ts signed er 15 min	l. iutes.	•		\sim (2
Driver Name A	S	(printed)	ani	e	Driver Sign	ature	a	
Contracting Company	Signatur	9	<u> </u>	- 17 A	2019 MC 2	(1 1 m) 1 m (1 m)	·	



te ick#_ <i>187</i>		Per_ Trailer#	BNI	0	OR PUC # NB 1/4 3 1/2 TARE Wt				
DELIVERED TO		PLANT TIME OUT	1		DOWN TIME OR STAND-BY	NET TONS HAULED	NET	REMARKS OR	
177-187-187-187	9:00			9:33					
· · · · · · · · · · · · · · · · · · ·	10:38			10:09					
	11:05			10:50					
	11:05		†	130					
	1:15			206					
	8:20		<u> </u>	2,45					
	2:58			102					
	4:27	<u> </u>		4/50					
	7 2 /		 	1					
							<u> </u>		
	_		ļ <u>.</u>						
		-							
				-		-			
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	_								
				 		 		······································	



Date 4/5/94 Material Hauled Colo Origin Port of Por	(200) : 	074-597 I	·Out o	or State	1-800-999-597	I • FAX 1-2	.00-374-80t	52		
Material Hauled <u>Colo</u>	lTar	Altch		Custo	mer Koppe	s muse	<u>.</u>			
Origin Port of Par	Han	V 1-	4	Destina	ation Kapes	5 (the	1 <u>05(</u> 4	ob#		
Starting Time 200	Lur	nch Time .	1 +	NS	Ending Time 50	00 YM	Total H	ours 4 Hes		
Rate	·	Pert	tR_			Total Earr	nings			
Truck # 182		Trailer#	3D(2		OR PUC # N	BKDO	TAR	E Wt		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	YARDS	REMARKS OR HAUL TKT #		
?	730 827 1003			815 930 1026						
4	1045 1121 1257			1104 1152 1216 235						
3	25G 348 425			330 40 4155						
		-								
TOTALS								·		
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.										
Driver Name W	Me	Wai	1/1/		Driver Sign	ature	1/ Va	fer la		
Contracting Company Signature										



ate <u>15 10,00</u> ruck # <u>166</u>		Per_ Trailer#	Dar	<u> </u>	OR PUC#	_Total Earr	nings	Nt .
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PLANT TIME IN					NET TONS	NET YARDS HAULED	REMARKS
Kuppars 1 Kuppars 2 Kuppars 3 Kuppars 3 Kuppars 3 Kuppars 3	1200	1310	335	1554				
TOTALS								
TOTALS ickets must be signed ote: Owner/Operator re ote: Record your time It is your responsi Charge standby ti If you don't get it o	esponsibl to the nea bility to ge me for an	e for all ir arest 1/4 h et all ticke ything ov	surance nour on to ts signed er 15 min	and any/a tal hours utes.	all property dam only.			



Material Hauled	uton	Pitch	•	Custo	mer <u><i>Ko</i></u>)	Opens	: 			
Origin 100 in the	IRT 4	PTE	11	Destina	ution 7340 N.	W. St. Hell	on Roll Jo	ob #		
Starting Time 8'00	AmLun	, nch Time ₋	205 - 1	o5 ———	Ending Time		Total H	ob #		
Rate					and the second s					
Truck #//		Trailer #_	RO-	2	OR PUC #_ <i>[\begin{align*}{l}\begin{align*} & /i>	15K42	7_TAR	E Wt		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	TONS	1 1			
Koppens	0730	830		840						
11 11	855	,		720						
6 1/	93/	942		1955						
	1005	1020		1035				•		
	1050	1055								
	1125	130	1140	1127						
		130		145						
	200			225				-		
1- 20 40/4	-									
KOPPERS	200	· · · · · · · · · · · · · · · · · · ·		2.35	P.M.	2-113	Murs	Joseph Flore		
11 11	3:15			3:40	1:			<i></i>		
1. 11	4:10			4.45						
11 11	5 00			6:45	<u>. 70,000 </u>					
	7:00			7:40						
11. 11	8.00			8:30						
11 11	9:00	-		9:20	7,					
11 11	9:40		· ·	11:20	11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	11:30			11:50						
11 11	12:10	-		1230						
11 11	01:25			1:16 01:40						
11 //	02:00			0235						
	102.00			UX 3 3						
-	1									
TOTALS						and	Driver	Joseph Horses		
Note: Gwner/Operator Note: Fecord your time It is your respons Charge standby t It you don't get it Driver Name	responsible to the neadibility to gettime for an	e for all in arest 1/4 h et all ticke ything ov eket you w	nsurance nour on to ets signed er 15 min	and any/ontal hours I. outes.	all property dam only.	nt. age.	93	Milan		
Contracting Company	Contracting Company Signature West W. Land									



Material Hauled Origin T-4 Destination Leff S Law* Starting Time Low Lunch Time Ending Time 4 20 Total Hours Ending Time 4 20 Total Hours Total Earnings Trailer # OR PUC # TARE WI DELIVERED TO TIME TIME TIME TIME TIME OR TONS YARDS OR HAULED HAULED HAUL TKT # DELIVERED TO TIME TIME TIME TIME TIME OR TONS YARDS OR HAULED HAULED HAULED HAUL TKT # 1 600 HAUL TKT # 1 600 HAUL TKT # TOTALS TICKETS must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time to ranything over 15 minutes. If you don't get it on your ticket you will not be paid for it.	Date 41-15-94	71.					_		_	
Rate	Material Hauled	ENCIL			Custo	omer	PERS,			
Rate	Origin				_Destina	ation Koffe	KS PLA	wt Jo	b#	
Truck # 30 1 Trailer # OR PUC # TARE WI DELIVERED TO	Starting Time 8001	Lur	nch Time .	····		Ending Time 4'00 Total Hours 8 how				
DELIVERED TO PLANT TIME TONS HAULED HAULE	Rate		Per_				Total Earr	nings		
DELIVERED TO TIME IN OUT TIME OR STAND-BY HAULED HAULED HAUL TKT #	Truck #	7	Trailer#_		OR PUC #			TARE	Wt	
TOTALS DELIVERED TO	TIME	TIME	TIME	TIME	OR	TONS	YARDS	OR		
Totals Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes.	1 2 3 4 5 6 7 7 8 9	920 1020 1035 1115 100 201 248 330	n/4 \$							
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes.	TOTALS									
Driver Name RICH REMS MUDIVER Signature Contracting Company Signature	Tickets must be signed Note: Owner/Operator in Note: Record your time It is your responsionable Standby till you don't get it out the Note of	esponsible to the near ibility to go ime for an on your tice.	e for all in arest 1/4 het all ticke ything ove ket you w	surance nour on to ts signed er 15 min	and any/a stal hours utes.	all property dama only. it.	age.			



Date 4/15	_				1-800-999-597						
Material Hauled	rcilepia	H		Custo	mer Ko	opers					
Origin Port of Po	rtland			Destina	ation St John	S(Kuspers	J	ob#			
Material Hauled <u>Per</u> Origin <u>Port of Po</u> Starting Time <u>7: A</u>	-M_Lur	nch Time .	1 H	17	Ending Time	5 201	Total H	lours (9)			
Rate Hourly	·	Per_				/ Total Earr	nings				
Truck # 139		Trailer#_	BDS	3	_OR PUC #_ /	OR PUC # MJK 451 TARE WI					
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	. TONS	NET YARDS HAULED				
Port Koppers	7.35	100 100 100	4:13	9:41 9:16	Went-	o go Pay	fatie	repeir 20 min			
1	11:00	10 35	11.36	10.50		7 7					
0 51 6 9 12 (t	3:31	3.53	300	3:16							
(i i/	5:00										
				1	Tup						
TOTALS											
Tickets must be signe Note: Owner/Operator											
Note: Record your time It is your respons Charge standby t If you don't get it	ibility to go ime for an	et all ticke sything ov	ts signed er 15 mir	l. autes.	•						
Driver Name \\ \(\lambda \)	ael Bu	(printed)	7/	1	Driver_Sign	ature W	vil fr	attens			
Contracting Company	Signatur	e	1								

Wift I

SUNRISE EXPRESS, INC.



Date 4-15-94					1-000-333-337				
Material Hauled Pen	vil	Pitcs	h_	Custo	mer Kopp	ers			
Origin T-4/Port	land,	ore		Destina	ation <i>Partla</i>	nd, or	e	lob #	
Material Hauled Personal Origin T-4 / Part Starting Time 8:00	a.m Lur	nch Time .	1 HR		Ending Time 5	:00p	<u> M</u> _Total ⊦	lours 🖁 🦳	
Rate								·. `	
Truck # <u>159</u>		Trailer#_	BD#	6	_OR PUC #_ // /	1m vo2	3TAR	E Wt 34,000	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR NO HAUL TKT #	
Hwy 30 4 ST. Johns Bridge	8:00 A	·M.		5,00,04	—	FUIL	LOADS -		1,2
ST. Johns Bridge	ļ							MILIM	<u> </u>
									5.675
			6						211
		Lunca	H Tin	E+1	HR 12:0	10p.m To	1:00p.1	<u> </u>	1
		LD.	S →	1					
		HR	\sim	Q					
TOTALS									
Tickets must be signed	d and sul	omitted a	t the end	d of each	day for payme	nt.			
Note: Owner/Operator r	esponsibl	e for all ir	nsurance	and any/	all property dam	age.			
Note: Record your time It is your responsi Charge standby ti If you don't get it o	bility to go me for an	et all ticke lything ov	ets signed er 15 mir	I. nutes.		0	•	٨	
Driver Name Rick	- Ko	Ski (printed)		0.1	Driver Sign	ature K	ck }	Coski	
Contracting Company	Signatur	(1 ,		ppero	Whi his	Makker			



Date 4 - 15 - 9 4	<u> </u>	ıi.								
Date $\frac{4-15-94}{4}$ Material Hauled	nel	- Pu	tel	Custo	omer					
Origin T4				Destina	ation <u>Harris</u>	FER.	Phar A Job)#		
Starting Time 20	<u> </u>	nch Time ₋			Ending Time	500	Total Hou	o# urs		
Rate		Per		Total Farnings						
Truck #		Trailer #_	<u> 1812 </u>	70	_OR PUC #	TARE Wt				
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #		
\$20 945 1055 12.05 1:45 2:30 420				<i>Y</i>						
TOTALS								·		
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it of Driver Name Contracting Company	esponsible to the near bility to ge me for an on your tick	e for all in arest 1/4 h et all ticke ything ove ket you w (printed)	surance nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.	age.	ged Dr	y.		



Material Hauled Colo	V lar T	401		Custo	mer_ <u>K&DQ</u>	4S_		
Origin Part of Part	land	T-4	<u> </u>	Destina	ation Kopp o	ers H	430)	lob #
Starting Time 600 PV	<u>~i</u> Lur	nch Time	IHR		Ending Time 3	00 AM	Total F	lours
Rate		Per_	Hour	-		_Total Earr	nings	
Truck # 182	Trailer #_	BOI	2	OR PUC #	BIK	TAR	E·Wt	
DELIVERED TO	TIME	PLANT TIME OUT	DUMP TIME IN		DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR HAUL TKT#
Hoppers MEG	525			645 740			20	that Loads
	752 834			2/18			7(
11 4	915			905			1 (
11 6	1100			1130			11	
11 7	1140			1215				
11 9	100			130				
11 10	140			200				
	*							
								t solds.

		-						
TOTALS								
Tickets must be signed								
Note: Owner/Operator r				•		age.		
Note: Record your time It is your responsi Charge standby ti	bility to ge	et all ticke	ts signed	l .	only.		٥	
If you don't get it o					it.		\cdot \cdot	Λ
Driver Name Muhe	Lebol	4			Driver Sign	ature 4	A LA	
Contracting Company	Signatur	(printed)	· · . · . · . · . · . · . · · · · ·	<u> </u>	west Libes	Mes 100		· · · · · · · · · · · · · · · · · · ·
•			•	**			•	400



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062 Material Hauled Pencil PitcH customer Koppers Origin Portland, OR Destination Portland, OR Job#____ Starting Time 6:00 Lunch Time 1 H & Ending Time 2:30 Total Hours 8 1/2 _____Total Earnings _____ BDH6 ORPUC#MNVS23 TAREWI_ Truck # 159 Trailer# PLANT PLANT DUMP **DOWN TIME** NET REMARKS **DUMP** NET TIME TIME TIME OR TONS YARDS OR TIME **DELIVERED TO HAUL TKT#** IN OUT STAND-BY OUT HAULED HAULED IN **TOTALS** Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name George W BlantoH Driver Signature Laorge W BL Contracting Company Signature_



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Material Hauled De	ncide	Pitch	, <u>1 </u>	Custo	mer Kopp	e15\					
Origin 7-4 12	Hard	Ou		Destina	ition $K_{\mathcal{O}\mathcal{D}\mathcal{O}}$	15 Yo	wel so	ob#			
Starting Time 6.0	Lur	nch Time			Ending Time	1.00	Total Ho	ob#			
					OR PUC # <u>W131/-634</u> TARE Wt						
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR			
Land Yard	Voico			658							
	7:13			7.70							
	1.5.3		ļ	8:19							
	9.20			9,50							
	11:00			11/35							
	12:28			13.15							
	1:06			1130							
	1198	ļ	ļ	2:00		 					
	-					 					
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TOTALS											
Tickets must be sign Note: Owner/Operator								-			
Note: Record your tim It is your respon Charge standby If you don't get i	e to the neasibility to go time for an	arest 1/4 let all ticke	nour on to ets signed er 15 mir	otal hours d. nutes.	only.	ugo.	7	/ ~ .			
Driver Name 2064	ext	2/11	1. 10 m 1	5	Driver Sign	ature X&	Sent !	Willians			
Contracting Company	y Signatur	(printed)	 	Afails	Jh. Buff	u_					



Material Haulod	2-4-6	losa	1700	Cuete	mor K	DODE	, ,			
Waterial Hauleu /	· 12	1 11-		Cusio				ob# ours		
Origin <u>Jessamua</u>	france	Ful	14	_Destina	ation	pers	J	ob#		
Starting Time 16:00	Lur	nch Time .	110	NE	Ending Time	·	Total H	ours		
Rate /0:00										
Truck #/66										
DELIVERED TO		PLANT TIME OUT	DUMP		DOWN TIME OR		NET 7 - YARDS	REMARKS OR		
	530	7/0	1576°	655						
)	**				
1 24	425	930	950	9 55	<i>,</i>					
	1100	11130	1130	1135						
<u> </u>	12/12	120=	1310	1970						
	1/3/3	1240	1410	145						
and A	200	206	220	230)					
		- 448								
147360					:					
-TOTAL C			<u> </u>							
TOTALS	<u> </u>	l	<u> </u>							
Tickets must be signed	d and sub	omitted a	t the end	of each	day for payme	nt.				
Note: Owner/Operator r	esponsibl	e for all ir	surance	and any/a	all property dam	age ₁				
Note: Record your time It is your responsi Charge standby ti If you don't get it o	ibility to go ime for an	et all ticke lything ov	ts signed er 15 min	utes.	-	,	12 16	Can		
Driver Name	cha	(printed)	hal	ch er	Driver Sign	ature <i>A</i>	effacel	Histolian_		
Contracting Company	Signatur	''		Will for	t. The Man					



Date $\frac{4}{2}$	7	1	<u></u>		/ *		,	71 -
Material Hauled Origin	ned_	FI	d	Custo	mer_ <i>/101</i>	1 / Jul 1	C P	last
Origin <u>T66</u>				Destina	ation		Jo	ob #
Starting Time 600	2 _Lur	nch Time .			ation	00	Total He	ours
Rate		Per_		·		Total Ear	nings	
Truck #		Trailer #_	190	BD	_OR PUC #		TAR	≣ Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
120 720 720 700								
11:15 12:36 12:36								
743								
TOTALS								
TOTALS Tickets must be signed Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsibl to the nea bility to ge me for an	e for all in arest 1/4 h et all ticke ything ove	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama	age.	uh ,	witz
Contracting Company	Signatur	., ,				(/		



Date 476 19	2414	ロスロドリー・ローフ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・	,					
Material Hauled <u>(</u>	ubon	Pite	h	Custo	omer <u>Koj</u>	year	A .	
Origin <u> Pen me =</u>	vert	4		Destina	ation 7540 K	1. 41. ST 14	leleus Kd J	ob#
Starting Time <u>\$ 200</u>	<u>Anvi_</u> Lur	nch Time .	2hh	<u>LS_</u>	Ending Time	300 p	Total H	ob# ours_ <u>Sh/LS</u> ,
Rate		Per_	//-/			Total Earr	nings	
Truck #	·	_Trailer #_	Total Earnings 1 丁 K 42 7 TARE Wt					
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	OR	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Koppers	745	840	-	900	· · · · · · · · · · · · · · · · · · ·			
, -	915	,		940				
455	105			120				
	140			2-00				
	20							Almine.
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	box	1001/	ail	FLA	T Tide	1 Horn	1/A.	n-1pm
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TOTALS								
TOTALS Tickets must be signe Note: Owner/Operator Note: Record your time It is your respons Charge standby t	responsible to the neadibility to get ime for an	e for all in arest 1/4 h et all ticke bything over	isurance nour on to ts signed er 15 mir	and any/antal hours I. outes.	all property dama only.			
If you don't get it	on your tid	ket you w	vill not be	paid for		h	11 13	1
Driver Name _ 12/11	LY M	(printed)	1 13 W	199	Driver Sign	ature !!	1.41 1/10	114411 S
Contracting Company	Signatur	., ,	211.	1-1	gy James Landerstein Strategy	None see co		



5419 N.E. 88th St. • Vancouver, Washington 98665
(206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date 4-16-99

Material United Personal Conference on the Personal C

Material Hauled $\nearrow \epsilon$	ncial	Pitc	<u> </u>	Custo	mer_ <i>_K_0_</i> 2	11 e/	<u> </u>	
Origin T- 4 Por	Hand	7 		Destina	ation <u>Koppe</u>	5 Yar	Jo	b#
Starting Time 8.00	Lur	nch Time .	0		تے Ending Time	00	Total Ho	ours
Rate	· .	Per_		<u></u>		Total Earr	nings	
Truck # <u>187</u>		Trailer#_	<u> 601</u>	0	_OR PUC # <u>//</u>	BY 63	✓ TARE	: Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Koppers Yard Hwy 30	C/:28 C		6:46	0.50				
Varieti	4.00		8:46	900				
74726	10,00		(, / / _	1030				
HWY 30	11.00		11.26	11:30				
<u> </u>	2:03		1:72	+				
	d.(1)			3.00				
			1-0	1/3				
	 	0	100	المستنبي المستنبي				
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TOTALS		<u> </u>		L		1		
Tickets must be signe	ed and sul	omitted a	t the end	d of each	day for payme	nt.		
Note: Owner/Operator								
Note: Record your time It is your respons Charge standby If you don't get it	e to the neasibility to go time for an on your tid	arest 1/4 het all ticke sything ov cket you v	nour on to ts signed er 15 min	otal hours d. nutes.	only.	2.40	1 	
Driver Name Roby	ert C	1/1/10	411.5		Driver Sign	ature	MACILL	Willars
Contracting Company	/ Signatur	(printed)	<u> </u>		//~~			
			مرنج للمما	/				



JIL F	ITCH	·	Custo	omer <u>Kof</u>	PERS	1	
			Destina	ation <u>KoP</u>	PERS	Job	#
Lur	nch Time .			Ending Time	3130	Total Hou	rs Da kvo
							_
PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
9:15 9:55 10:50 11:35 1:05							
			-	stop.			
esponsible to the near bility to go me for an on your tick	le for all ir arest 1/4 het all ticke sything ov	nsurance nour on to ets signed er 15 mir	and any/ otal hours i. nutes.	all property dama	age.	aman S	Jany J
	PLANT TIME IN 8.35 9:15 10:50 11:49 2:40 d and sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the neibility to go me for an incidence of the sull responsible to the sull resp	Lunch Time Per Trailer # PLANT TIME IN OUT 6:35 9:55 10:50 11:35 1:05 1:49 2:40 d and submitted a responsible for all ticked in the nearest 1/4 I billity to get all ticked in the for anything over the nearest 1/4 I billity to get all ticked in the nearest 1/4 I billity to get all ticked in the nearest 1/4 I billity to get all ticked in your ticket you want your ticket your your ticket your your ticket you want your ticket your your your ticke	Lunch Time Per Trailer # 130 \$ PLANT PLANT DUMP TIME IN OUT IN 8:35 9:55 10:50 11:35 1:05 1:99 2:40 d and submitted at the end responsible for all insurance to the nearest 1/4 hour on to billity to get all tickets signed to the nearest 1/4 hour on to billity to get all tickets signed to the nearest 1/4 hour on to billity to get all tickets signed to me for anything over 15 mir on your ticket you will not be	Destination of each desponsible for all insurance and any/ to the nearest 1/4 hour on total hours billity to get all tickets signed. In your tickets you will not be paid for any your ticket you will not you your ticket you will not you	Destination KOF Destination KOF Lunch Time Ending Time Per Trailer # 130 © OR PUC # P PLANT PLANT DUMP TIME OR STAND-BY 8 3 5	Destination KOFFERS Destination KOFFERS Lunch Time Ending Time 3/30 Per Total Earl Trailer # 130 & OR PUC # M1 K 4' PLANT TIME TIME TIME OR TONS IN OUT STAND-BY HAULED 6/3.5 9 1/5	Destination KOPPERS Destination KOPPERS Job Lunch Time Ending Time 3/30 Total Hou Per Total Earnings Trailer # 130 & OR PUC # MAK 451 TARE N PLANT PLANT DUMP DUMP DOWN TIME NET TONS YARDS HAULED HAULED \$\frac{3}{2}\frac{5}{5}\frac{1}{1}\frac{1}\frac{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}\frac{1}



Material I	Hauled	1, 12	Ti_		Custo	mer_Kof	perce		lob #		
Origin	Terima	I RT	Host	-	_Destina	ition Kop	pers	J	lob#		
Starting 7	Time 7.3	<u> </u>	nch Time .	NO	PE	/ / Ending Time		Total H	lours		
Rate	F10:00)	Per_				Total Earr	nings			
Starting Time 7.30 Lunch Time 1076 Ending Time Total Hours Rate Per Total Earnings Truck # 166 Trailer # OR PUC # 105/17 TARE Wt											
	VERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME	NET TONS		REMARKS OR		
		8:35 1025 1025 1020 133 245	840	855	9,00						
	<u> </u>	1025	1036	1055	11.20						
_	<u> </u>	1.20	1130 1170	1/55	1215				1		
		755	21	2	275				CUTTOFF		
	<u> </u>	Joe - 4 Z5	4.33	٥٥٥	4 000				Carore		
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Ť	OTALS										
		d and sub	mitted a	the end	l of each	day for payme	nt.				
			ر میسید		المستعمسة لأور	1 071					
Note: Owner/Operator responsible for altingulance and any all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.											
Driver Na	Driver Name Richard Thatcher Driver Signature Hillard Motorin										
Contract	ing Company	Signatur	(printed)	7-1		A	The same of the sa	<u> </u>			



Date 4 - 16 - 4	74	יינט ו' ת	/		1-000-999-597			# 400 pm
Material Hauled	1ENCI	LPite	<u> </u>	Custo	omer <i>Koff</i>	RKS		
Origin	=			Destina	ation Kaffel	& PLAN	/Job	# 400 PM
Starting Time	AM Lui	nch Time		·	Ending Time		Total Hou	irs
Rate		Per_				Total Earr	nings	
Truck #307		_Trailer#_	B	21	_OR PUC #		TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	1	NET TONS HAULED		
1 2 3 41 5 6	900 920 1000 100 100 205							
TOTALS								
Note: Owner/Operato Note: Record your tim It is your respon Charge standby If you don't get	r responsib le to the ne isibility to g time for ar	le for all in arest 1/4 het all ticke nything ov	nsurance nour on to ets signed er 15 mir	and any/ otal hours I. nutes.	all property dam sonly.		0 P	
Driver Name	<i>K∖Č∤ ∫</i> y Signatur	(printed)	J.		Driver-Sign	ature	C. Kan	reg .



Date 4-16-94	_									
Material Hauled Euro	i (L	dik		Custo	mer_ <i>/</i>	Wilde				
Origin T-4/ Fee 3	and,	41		Destina	ation N. W B	Jand	Chr.	lob #		
Starting Time 8000	Lur	nch Time .	<i>i</i>	YR	Ending Time	5-30p.	<u>~</u> Total ⊦	lours_6/2		
Material Hauled Folding Customer Kincophila. Origin T-4/ Folding Customer Kincophila. Origin T-4/ Folding Control Co										
Truck # 155		Trailer #_	602	je .	OR PUC #_ <u>\{\frac{1}{2}\frac{1}{2}}</u>	MINOZ	3TAR	E Wt 34,000		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #		
St. for Bully	8.004	m,								
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	1	. 1								
	1.0	r) (* 12	1 may 19 1	11 y 12 1 3	to 1:00p	m				
	1.5		- court					· ·		
	LDE		> 2							
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TOTALS										
	d and au	amitted o	4 4 h a a n a	1 06 0001	da		<u> </u>	<u> </u>		
Tickets must be signed Note: Owner/Operator r										
Note: Record your time It is your response Charge standby to If you don't get it o	to the nea ibility to go ime for an	arest 1/4 het all ticke ything over ket you w	nour on to ts signed er 15 min vill not be	otal hours l. outes. paid for	only.					
Driver Name	i k	05k			Driver Sign	ature 🔼	A to	poplar -		
Contracting Company	Signatur						,	17		



rigin				_Destina	ation		Job	#
rigin arting Time <u>名の ク</u>	Lunc	h Time			Ending Time 4	00	Total Hou	rs
ate		Per				Total Earr	ninas	
uck # / 90	T	railer#_	BD	190	_OR PUC #		TARE V	Vt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
815								
7 15 10 4 6 11/30				1	Dey			
115			_					
	-		_		/			
			1		4			
				>				
								T _a .
TOTALS								



Date 4-16-94								
Material Hauled Pen	icil 1	Pitch		Custo	mer Kopp	ers IN	e/	
Origin 7-1- Po	TLAN	10/		Destina	ation Port	LANOL	J(ob #
Starting Time 2.00	Lur	nch Time .			Ending Time		Total He	ob #
Truck # _/ 7 /		Trailer #_	HDR	203	_OR PUC #	Beacc	TARE	≣ Wt
DELIVERED TO	TIME	PLANT TIME OUT	DUMP TIME IN	TIME			YARDS	
Koppers	9.20	8.50 9.30						
	10.55	10.20						
2	2.20	4.35						
and the state of t								
						2		
		-						
707410								
TOTALS	d and acc	h 1441 -	4 4 h c = =	4 =4 ====	dou for more			
Note: Owner/Operator								
Note: Record your time It is your respons Charge standby t If you don't get it	ibility to g ime for ar	et all ticke nything ov	ets signed er 15 mir	d. nutes.				
Driver Name Frech	LAR	Je (printed)			1 Driver Sign	nature of	red de	Due
Contracting Company	Signatur	** *,		7/1				_



Date 4-17-9	Date $\frac{4/-17-94}{}$											
Material Hauled Lencel Life Customer KODDEN												
Date 4/-/7-94/ Material Hauled Pene Destination Partland Job#												
Starting Time 7,00	Starting Time 2,00 Lunch Time Ending Time 4,30 Total Hours											
Rate //o/(/ Per												
Truck # 169 Trailer # BD9 OR PUC # NC 1 872 TARE Wt												
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #				
Kopper	ZM			9.25				Losel				
Portland	9,40		!	10.10				boad				
100118000	10,25			10:50				Load				
Ore'	11,20			11,95				hord				
	12100	1		1,35				Load				
	2.00	<u> </u>		2,40				Local				
			 									
-												
							<u> </u>					
	ļ				,							
TOTALS				-								
Tickets must be signe	d and sul	bmitted a	t the end	d of each	day for payme	nt.	,					
•												
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.												
Driver Name Al Stephanie Driver Signature al												
Contracting Company	Signatur	e	Th	T/ K	//							

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	11/13	11/14	P1/15	//1.
Banney BLANHOW	7 1/2	Secretaria de la companya del la companya de la com	entite turken en e	1116
BRANDSM4	8		12/12	A control of the cont
Burch PAT	8	11		
Buttens Gilman	63/4	12	16	1/2
Kulpvik	81/2	12/4	141/2	hy)
LARUE	6/12	16	15	7/2
PARRISH	8/12	7	1 1 727	//2
Poland PACHUL	8	7.		
Reisch	6/2	15/2	14	
Remsing Sample		P	7.7 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 5	aread or as 2 consumers
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	· .		A CONTRACTOR OF THE CONTRACTOR	مودي

V	5419 N.E. 88TH ST. /ANCOUVER, WA 98669 1-800-824-5971	5			ORIGINAL	FRT. BILL NO. 59130
	FAX-1-206-574-8062	SHIPPED	INVOICED	TERMINAL	TRAILER	SHIPPERS NO.
ERM:	INAL 4	11/13/93	11/17/91	05		
		TRACTOR	DRIVER			
ORTI	LAND, OR			REPLAC	ES ORIG. INVOICE	59099
	59925				MILES . 0 PRO	X59130
3LL	KOPPERS INDUSTR 7540 NW ST HELE			3	KOPPERS NW ST HELENS ROAD)
0	PORTLAND, OR 97	7210 3663		m Z	PORTLAND, OR	•

WE KNOW YOU HAD A CHOICE THANKS FOR CHOOSING SUNRISE

 	TE MINOR TOO HAD A CHOICE IF	INIVIO I ON	UNOUSING SC	MAININE	<u>, </u>
PCS	FREIGHT DESCRIPTION	WEIGHT	B-WGHT	RATE	AMOUNT
	22 TRKS 448.25 HRS @ 60.00 2 DUMP TRUCKS 15 HRS @ 50.00 DETAIL ATTACHED		000	FLAT FLAT TOTAL	26,895.00 800.00 27,695.00
	·				

NV (REV 2/89)

PAN Hope

	hrs.	A	loads	Aug. cost pen ton
42,50+ 14,00 = 56,50			•	
K.I.I. TANK	58.0	3277	56	3.94
Espeda)	47.5	1900.00	53	4.82
Berry	43.5	1958 2	61	7,20
Surverse	464.25	27,695	562	3,78
1	613,25 [34.830	732	
		AVZ		-
	,	3.95/Tan		

8,820 S. Tors + 613.25 hrs = 14,38 TORS/TAVER houx.

Especial est be harded ADV avg. of 10 yands per land = $270' \times 55 = 14,850^{\ddagger} = 7,425 \text{ force}$ BERRY """ "" "" (6 YAND "" " = $162' \times 55 = 8,912 + 9,455 \text{ force}$ KII (ASK est.) = 20 yands = $540' \times 55 = 29,700 + 9,405 ...$

KOPPERS

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

Coppens To	rek		
F //	Eldin	George	toron
SAT, 11/13	10	7	17
	11	7	18
Gor . 11/14		,	14
mon. 11/15	8	6	• •
MON. "	7	_	
tues , 11/16			56

1 0	139	8	Y TIME SHEET		
Down 1	fime - Lunc inished	400	Constr 38 Portlar 281-3074	N ESPEDA uction/Tru 22 N.E. 72n nd, Oregon 9 or Mobile 2	ucking od 97213 48-7618
Contrac	tor or Empl	oyer Ko	20-19 20	Carrie Ca	
Truck N	lo. <u>68</u>	40-	Address		
Rate \$	70	Per hour	Job Location		
MAT	ERIAL	HAULED FROM	HAULED TO	LOADS	TIME
4	in 7	4-74	Kappers		7
ALC.	s 810	-96-935-,	010-1100-114	5- Lunch	
A.COMORTON	> /21)-155-13c	? - 305	· algorithmaniaesessa son es a	And the second s
		, +			
————	Signature	Vm Engli	TOTALS	10	7
of 18% agrees though reason Revise	This accour The parties per annum If this accou to pay Su no suit or a able attorne A lien may I d Statutes,	at due and payable on expressly agree by the on all past due account is placed in the had b-Constractor/Employ inction is filed on the act by fees shall be fixed be be claimed for labor, in Chapter 87.	the 10th day of the month heir signatures hereto that ands of an attorney for coll rees reasonable attorney for ecount; however, if suit or a	interest shall and ection the Confees and collec- ction if filed, the onable profit und of copy and s	ccrue at the rateractor\Employ tion costs ever amount of su der Oregon ignifies same
		Signa	iture	<u> </u>	
	W	-		OLDENROD - Job	

		DAILY '	TIME SHE	ET		
Nº.	1397		527	3		
Time Ct	arted <u>SC</u>	of of the	, , , , , , , , , , , , , , , , , , ,		ESPED	
		1118	Co		ction/Tr	_
Down T	ime - Lunch				2 N.E. 72 I, Oregon	
Time Fi	nished <u>/ / /</u>	200	28	1-3074	or Mobile	248-7618
Driver's	Time ——	300	ATTO		e # 1	and company
Driver _	100	t perial		_ Date 🖊	1-15	75
Contract	tor or Employer	Koss	2015	20	X Come	
Truck N	150	- 1	ddress		, ,-	
	16) Cr32					
Rate \$_	15/		_ocation			
MATE	RIAL H	AULED FROM	HAULED	то	LOADS	TIME
PITE	h 14	-14	Kopper,	5 /	MYHL	_8_
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2 Mi	19 830.	-715-1005	1040-111	5		
337,482.00	115.	200-235-	325-4	115		
			- Amade		16	AND THE PERSON NAMED IN COLUMN TO
a de	1 market		W 000		***************************************	Commonwell management
7	100 17		10 yre			
ad .	1 .6		#₹ A)			
7 7000	5 645	-120-	7 262		111	4.
			£_1_			
Driver's	Signature	en Goods	il C	OTALS	12	17
of 18% is agrees though reasons	This account due the parties expression of this account is to pay Sub-Cornable attorney fee A lien may be classification.		10th day of the signatures here of an attorney reasonable at nt; however, if se court.	eto that in for collectorney fee suit or acti and reason	terest shall a ction the Con es and colle on if filed, the able profit un	accrue at ntractor\Ei ection cos e amount nder Oreg
	Contractor\Empl ect by his signal	oyer Representative ture.	acknowledges Not respon	receipt o sible for	f copy and damage be	signifies sar hind curb li
		Signature	_ 1 xx	ma 1862	12.00	2.10 ·
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### T	1396 _{led} 200 frø	√ī	KEI	N ESPEDA	AL
Time Star	ted Note from	/ /		uction/Tr	_
Down Tim	le - Lunch	CON DUMP 14		22 N.E. 72r nd, Oregon 9	
Time Finis	shed			or Mobile 2	
Driver's Ti	me	CIATION	,	4	وو اد الامر
Driver	Ken C		Date _	11-14	
Contractor	or Employer	oppers	Total		
Truck No.	<u>60</u>	Address			
Rate \$	Per h	iour Job Location	n		
MATER	IAL HAULED FF	ROM H	AULED TO	LOADS	TIME
PACIFIC RES	4 TH- P.S.	Kor	Joseph .	MW	533
				11	
er Land	1 735-710-	-945-1025	-110011	30- Lu	vh
L	- 125-200	>-240 -32	0-350-	430 L	net
				12	6
ACTIVE	1 74-P	46	W. 1. 3		1
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A. Carlow	640-720	-820-91	0.945		
= W	\$			Signatur	Lyl.
	10	ar ka			/
Driver's Si	ignature 2	La 1	TOTALS	17	17
Thi The of 18% pe If the agrees to though no	is account due and paying a parties expressly agreement account is placed in pay Sub-Constractor or suit or action is filed or eattorney fees shall be eattorney fees shall be	ee by their signatu e accounts. n the hands of an Employees reasor n the account; how	ay of the month res hereto that attorney for collinable attorney fever, if suit or ac	interest shall a ection the Con ees and collec	ccrue at the ra tractor\Employ ction costs ev
A li Revised S Co	e attorney fees shall be ten may be claimed for Statutes, Chapter 87. ntractor\Employer Rep t by his signature.	labor, materials, re resentative acknow Not	ntals, and reason wledges receipt responsible fo	of copy and s or damage bel	ignifies same aind curb line.
		Signature	Company of the second	K 17	<u> </u>

Mē	13	95	AIL` 	Y TIME SHEET	N ESPEDA	\L
Down Time Fi Driver's Driver	ime - Li	730 AA unch Z H 3 300 Ac 162 162	<u>~</u> ~ (38 Portlan 281-3074	uction/Tru 22 N.E. 72n Id, Oregon 9 or Mobile 2	ucking d 97213 48-7618
Contrac	tor or Er	mployer Ko	ij) t	ers Ind		
Truck N	10.68	dere :		_Address		
Rate \$_	M	Per hou	r Jo	b Location		
MATE	ERIAL	HAULED FROM	vi	HAULED TO	LOADS	TIME
Head P	(tel	T4-P4		Kappers	M IN	
Lond	Tom P >	825-900-93:	5-A	010-1045-1115	5-4-Uncar	· · · · · · · · · · · · · · · · · · ·
TES.				240-315-551		
	>			-	13	63
and t	FW52	1-19- P. 4		Kopport	MIX	***************************************
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	>	645 -730	-8	15-855-940	-Lunri	
1	>	1/30-1200-	<u>-12</u>	25-120-20	2	1
		-10	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			1
Driver's	Signatu	ire <u>Van 139</u> 2	2 T	TOTALS	23	162
of 18% I agrees though	The part per ann f this ac to pay no suit c	ies expressly agree of the count is placed in the Sub-Constructor\Empty action is filed on the count is filed on the count is filed on the country action	by the ecoun e har ployed e acc	nds of an attorney for colle es reasonable attorney for ount; however, if suit or ac	nterest shall ac ection the Cont ees and collec	ccrue at the rate ractor\Employer tion costs even
Revised (A lien ma d Statute Contract	es, Chapter 87.	or, ma	the court. aterials, rentals, and reaso we acknowledges receipt Not responsible for	of copy and si	gnifies same to
		\$	ignatu	ire Andrews	\$ 50pg.	<u> </u>
		WHITE - Original YI	ELTOM	- Billing PINK - Driver G	OLDENROD - Job	

			No:
Name	Man Bern	Telephone _	82-2543
Address/		ter LU. N.	<u> </u>
City	Jurora	State ORE	Zip 97002
Driver	Same	Date	16-93
Truck No.	Trailer No	Capacity _	ton/yard
Rate \$	5 oper hour / ton / y	ard / other	
Contractor or I	mployer Koppin	S IND, I	ivc,
Address			
City			
Job Location_	TERM 4/ -	ST HELENC	RD_{i}
Time Started -	8:00 AM Lunc	ch <u> </u>	nished 4130 PN
MATERIAL	HAULED FROM	HAULED TO	LOADS TIME
	TERM # 1/	KOPPERS	
PITCH	XXXXXXXXX	,,	(9)
			73HI
			,
		TOTALS	7/214
Driver's Signati	ure Aller I	en	
The partie	es expressly agree by their si	h day of the month following gnatures hereto that interest	the date hereof. shall accrue at the rate
٠,	um on all past due accounts, count is placed in the hands o	of an attorney for collection the	ne Contractor/Employer
no suit or action reasonable attorn	n is filed on this account; ho ney fees shall be fixed by the		ed, the amount of such
A lien m Revised Statutes	ay be claimed for labor, ma s, Chapter 87'	terials, rentals, and reasonab	le profit under Oregon
Contractor/Em		nowledges receipt of copy	and signifies same to
	Signature	Then	
Original-White	Copy: Yellow-Job Copy: Pin	nk-Driver Copy: Goldenrod-	-Extra Copy

			No:	
/	ma Ba			0000
Name	Men Ben	Telephone _<	<u> 682 </u>	2543
Address	11592 War	bler LN, r	E.	
City	Junora	State ORF	_ Zjp <u>9</u>	7002
Driver		Date		
Truck No.	Trailer No	Capacity		ton/yard
Rate \$	per hour / ton / y	ard / other		
Contractor or E	mployer Kopper	S TWD I	NC.	
Address	• •			
City				
Job Location_	TERM #4 - S	ST HELENS RI),	
Time Started	2:00AM Lund	ch 2HRS Time Fi	nished Z	0:00 PM
MATERIAL	HAULED FROM	HAULED TO	LOADS	TIME
	TERMEN	KOPPERS		
PITCH	XXXXXXXXX	XXXX	(15)	
				[
			<u> </u>	BHR
		TOTALS		12 HRS
Driver's Signatu	ire Allen C.	Person	<u> </u>	
·				
This accou The partie	int due and payable on the 10tes expressly agree by their si	th day of the month following ignatures hereto that interest	the date he shall accru	reof. e at the rate
of 10% per annu	um on all past due accounts.			
agrees to pay Su no suit or action	b-Contractor/Employees reason is filed on this account; ho	onable attorney fees and colle wever, if suit or action is fil	ction costs	even though
A lien m	ney fees shall be fixed by the ay be claimed for labor, ma		ole profit u	inder Oregon
Revised Statutes	s, Chapter 87' oployer Representative ack	nowledges receipt of copy	ond signi	fice main to
be correct by h	is signature below.	nowledges receipt or copy	anu sigin	ries same to
	Signature	oge Holke	7 m	1
Original-White	Copy; Yellow-Job Copy; Pi	<i>y ft</i>	-Extra Cop	ру

	:	į	No:	
Name	Men Bern	Talanhana	622-	2543
Address	1592 Wart	la 211. 1	IF	
City	~ "	State ORE		
Driver	•			_
Dilvei	30000	Date/ / -		
Truck No.	Trailer No	Capacity	·	_ ton/yard
Rate \$	5 per hour Don / y	vard / other		
	Employer KoppER			
Address	Employer 710027			
City	 			
Job Location_	TERM # 4 ST	THELENC RI	>	
Time Started 4	8:00AM Lunc	ch 2 HR5_Time Fi	nished	7:05Pp
MATERIAL	HAULED FROM	HAULED TO	LOADS	
	JERM # 4	KOPPERS		
P.ToH	XXXX XXXX	XXXX ~XXXX	(19)	
			 	
	<u> </u>		<u> </u>	12/185
		L	<u> </u>	1.0
!	On a	TOTALS		LHRS
Driver's Signati	ure <u>flea (5</u>	em		
The partic of 10% per annu If this acc	unt due and payable on the 10th es expressly agree by their sign um on all past due accounts. count is placed in the hands of	ignatures hereto that interest of an attorney for collection t	shall accru	e at the rate tor/Employer
no suit or action reasonable attorn	b-Contractor/Employees reason is filed on this account; ho ney fees shall be fixed by the	wever, if suit or action is file court.	ed, the am	ount of such
A lien m Revised Statutes	nay be claimed for labor, ma s, Chapter 87'	aterials, rentals, and reasonat	ole profit u	nder Oregon
	nployer Representative ack his signature below.	nowledges receipt of copy	and signi	fies same to
	Signature	mer Holm	un	
Original-White	Copy; Yellow-Job Copy; Pi		–Extra Cop	·. • Y

	1		No:	
-	2000 - 13000	A	10000	,
Name	TERRICA CALLERY	Telephone 6	682-257	کـ
Address		Fen LM NE,		
City		State _OR氏	-	
Driver	5ame	Date	13-93	
Truck No.	55 Trailer No.	Capacity	ton/yar	rd
Rate \$	m / ")	vard / other		
Contractor or E	mployer KopnE	RS FND. I	NCI	
Address	/ / //-			
City				
Job Location _	TERM #4 -	ST HELENS RI),	
Time Started 2	3:00AM Lunc	ch 2HRS Time Fi	nished <u>10:90</u>	PM
MATERIAL	HAULED FROM	HAULED TO	LOADS TIME	
	TRAM #4	KOPPERS	<u> </u>	
PITCH	XXXX XXXX	XXX-XXX		
		(18)		
			12H	18
***				·
	O. 0	TOTALS	12H	R
Driver's Signatu	ire Allen 03	erry		
This accoun	ant due and navable on the 10th	th day of the month following	the date hereof	
The partie	es expressly agree by their s	ignatures hereto that interest		rate
If this acc		of an attorney for collection t		
no suit or action	n is filed on this account; ho	onable attorney fees and colle- owever, if suit or action is file		
	ney fees shall be fixed by the ay be claimed for labor, ma	e court. aterials, rentals, and reasonab	le profit under Ore	gon
Revised Statutes	, Chapter 87'			
	iployer Hepresentative ack iis signature below.	nowledges receipt of copy	and signifies same	; to
	Signature	The		
Original-White	Copy: Yellow-Job Copy: Pi	nk-Driver Copy: Goldenrod-	-Extra Copy	



Date 11-15-73								
Material Hauled				Custo	mer Kopi	0015	INel	
Origin FORTLAN	icl	7.4		Destina	ation $\frac{\rho_{of}}{}$	TLANO	, J	Job #
Starting Time 6.00	Lur	nch Time .	0		Ending Time		Total H	lours
Rate		Per_				Total Earr	nings	
Truck # 115		Trailer#_	BD	-/	_OR PUC #_ <i>M</i>	1JK 42	7TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Koppers PortLanel	600 7.00 7.35 9.20 1000							
	17.25				9			
TOTALS								
Note: Owner/Operator Note: Record your time It is your respons Charge standby If you don't get it	responsible to the nesibility to gain	le for all in arest 1/4 let all ticke nything ov	nsurance nour on to ets signed er 15 mir	and any/ otal hours l. outes.	all property dama only.	age.	ρ	1 ()
Driver Name	LORU	(printed)			Driver Sign	ature	red	1. Tan
Contracting Company	Signatur	.,	-					



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date	<u>ය</u>				• -			
Material Hauled Pe	ncile	PiTa	.h	Custo	mer Kop	0e/5	This g	
Material Hauled $\frac{Pe}{Po}$ Origin $\frac{T-4}{Po}$ Starting Time $\frac{9.00}{Po}$	Hund	<u> </u>		Destina	ation koppe	15 Hu	1/30 J	ob#
Starting Time 9:00	2Lur	nch Time .			Ending Time		Total H	ours
Rate		Per_				Total Earr	nings	
Rate		Trailer #1	BDI	0	_OR PUC # <u>1</u>	184 63	75/_TAR	E Wt
DELIVERED TO		PLANT TIME OUT	1	DUMP TIME OUT	DOWN TIME OR STAND-BY	i	NET YARDS HAULED	REMARKS OR
	7.22			9:45				
	11:00			10:39 11:32 1:16 2:04				
	1.30			3.09				
	308			3/3				
	4,39			,				
		91	ad	5	-			
					`			
			7					
TOTALS								
Tickets must be signe	ed and sul	omitted a	it the en	of each	day for payme	nt.		

Note: Owner/Operator responsible for all insurance and any/all property damage.

Note: Record your time to the nearest 1/4 hour on total hours only.

-

It is your responsibility to get all tickets signed.

Charge standby time for anything over 15 minutes.

If you don't get it on your ticket you will not be paid for it.

Contracting Company Signature (ported)

Contracting Company Signature (ported)



Date <u>//-/5-9.3</u>								
Material Hauled				Custo	mer <u>Koppe</u>	rs 1;	se/	
Origin POSTLANCE				Destina	ation <u>POITI</u>	"Mysel	Job)#
Starting Time 200	Lur	ch Time	0		Ending Time		Total Hou	Jrs
Rate		Per_				Total Earr	nings	
Truck #		Trailer #_	BD-	<i>I</i>	_OR PUC #_ <u>/*1</u>	JK 42	7TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	7.50 7.10 10.00 10.00 11.25 12.05							
	3.00 3.00 4.25				(10)			
TOTALS								
Tickets must be signe Note: Owner/Operator i Note: Record your time It is your respons Charge standby t If you don't get it Driver Name Contracting Company	responsible to the near ibility to go ime for an on your tick	e for all in arest 1/4 I et all ticke ything ov cket you v	nsurance nour on to ets signed er 15 mir	and any/otal hours d. nutes.	all property dama	age.	relJa	Die



Date <u> </u>								
Material Hauled			·	Custo	omer Kop	DERS		
Origin PORTOF	Po	ATLA	Nd_	Destina	ation <u>Ko</u>	appers	J	ob #
Starting Time 7:00	<u>)</u> Lur	nch Time			Ending Time		Total H	ours
Rate	····	Per_		 		Total Earr	nings	
Truck # / 2 5#								
DELIVERED TO	Į.	PLANT TIME OUT	ı	i		l .	NET YARDS HAULED	REMARKS
Koppers								
	7		A	15				
	-						7	
TOTALC								
TOTALS	1	<u> </u>	l		<u> </u>			
Tickets must be signe					-			
Note: Owner/Operator r	•			-		age.		
Note: Record your time It is your respons Charge standby t If you don't get it	ibility to go ime for an	et all ticke sything ov	ets signed er 15 mir	l. iutes.	·		\wedge	÷
Driver Name DAL	rd.	MIR	Alug		Driyer Sigņ	ature//	100	2 mushe
Contracting Company	Signatur	(printed) e7	Rober	A 7.	LINT	M	i :	



Date 11-17-73								
Material Hauled				Custo	omer KOPP	ers =	TNC	
Origin T. 4 Por	TLAN	e/	<u>-</u>	Destina	ation <u>Por 7</u>	LANEL	Jo	b#
								ours
Rate		Per_				Total Earr	nings	
Truck # //5		Trailer #	B.D.	_ /	_OR PUC # <u>//</u> _	5K 412	7TARE	: Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Koppers	6,00							
PORTLANIC	6.55							
	8-40	}						
	10.00	1						
	11.47	 						
	2.20	<u> </u>						
	1.75							
	1.50							
	 	 						
	<u> </u>							
	<u> </u>			-	-			
TOTALS		<u> </u>	<u> </u>	<u> </u>				
Tickets must be signe					• •			
Note: Owner/Operator	responsibl	le for all i	nsurance	and any/	all property dam	age.		(
Note: Record your time It is your respons Charge standby If you don't get it	sibility to gatime for an	et all ticke lything ov	ets signed er 15 mir	d. nutes.	·			
Driver Name fee	LAR) UR		····	Driver Sign	ature	eef To	Cue
Contracting Company	Signatur	(printed)						



Date 11-17-75							,				
								b#			
Starting Time 2.00	Lur	nch Time	0		Ending Time 5, 30Total Hours						
Rate		Per_			Total Earnings						
Truck # 1/5		Trailer #_	BD-1	! 	OR PUC #_M 5/ 1/27 TARE Wt						
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME	DOWN TIME	NET TONS	NET YARDS	REMARKS			
Kuppers	8.30										
POSTLAND	9.05										
	10,45										
	11.20										
	1.40										
	2.15										
	3,25		·	-							
	7.05										
	4.40				(13)						
				<u> </u>				·			
-	 										
TOTALS	_	İ		1		l					
Tickets must be sign								·			
Note: Owner/Operator Note: Record your tim It is your respon Charge standby If you don't get i	e to the ne sibility to g time for ar t on your ti	arest 1/4 let all tickenything ov cket you v	hour on to ets signed er 15 mir	otal hours d. nutes.	it.	1	: [-]	O.			
		(printed)			Driver Sign	ature 7	80/ Jes	Ville			
Contracting Compan	y Signatuı	e									



Date	_	·			J			
Material Hauled		1-t-	<u>~</u>	Custo	omer 	192 Cr	7	
Origin				Destina	ation	2002 9	J	ob#
Starting Time	Lur	nch Time	·		Ending Time		Total H	lours
Rate		Per_				Total Earr	nings	
Truck #		Trailer #_	1311	4	_OR PUC #		TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR
	7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
TOTALS								
Tickets must be signed Note: Owner/Operator Note: Record your time It is your response Charge standby If you don't get it Driver Name	responsible to the need sibility to get time for an on your ties.	le for all ir arest 1/4 h et all ticke hything ov cket you v (printed)	nsurance nour on to ets signed er 15 mir	and any/ otal hours I. outes.	all property dam only.	age.		



5419 N.E. 88th St. • Vancouver, Washington 98665

Date //-13-9	(206) ! <u>3</u>	574-5971	• Out o	of State	1-800-999-597 ⁻	1 • FAX 1-2	206-574-80	6 2			
Material Hauled TE	NCIL	P17	CH	Custo	omer_ <i>Kof</i>	PERS	LNI	PUSTRIE>			
Origin 1001	- 1-	6		Destina	ation PORT	ST J8,	4WS J	ob#			
Starting Time 6 90	<u> </u>	nch Time			Ending Time		Total H	lours			
Rate		Per				Total Ear	ninas				
Truck # <u>/30</u>		_Trailer#_	BU	14	_OR PUC #		TAR	E Wt			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #			
7540 NWSTHEE	600	725									
RD	835			-				<u>*</u>			
	95										
	1130							**			
	120	1 7		0	AAS						
			1					Sell Salvan			
			1					is well took			

		<u> </u>						N			
				-							
TOTALS								*			
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.											
Charge standby t	It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.										
Driver Name 5A	IPH	(printed)	15/2	4NS	Driver Sign	ature	Z// _J ,	I WORL			
Contracting Company	Signatur	()	From	3/4_,	Heffm	on	<i>"</i>				



Date 11/13/9	3					PAT,		
Material Hauled Pel	necl	D.	tcH	Custo	omer	D P E R S	> Ind	lustries
					_			ob#
i								ours
Rate		Per_				Total Earr	nings	· · · · · · · · · · · · · · · · · · ·
Truck #130	• •	Trailer #_	BP	# 11	_OR PUC #		TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
7546 HW St Hela	0.00				6	7		
	11:45							
	3: 27 3:40 3:40							
,	4:46		-	1	/			al .
						,		
			· ç					
Tickets must be signe Note: Owner/Operator								· ·
Note: Record your time It is your respons Charge standby t If you don't get it	to the nea ibility to go ime for an	arest 1/4 I et all ticke sything ov	nour on to ets signed er 15 mir	otal hours I. nutes.	s only.	d die		
zwoi namo <u></u>	12 G <	(printed)	319	nto	Driver Sign	ature 92	eorgi	Water
Contracting Company	Signatur	«		- /	A STATE OF THE STA			and the second second

30 661



Material Hauled				Custo	omer <u> </u>	Mer		
Origin / 100	to	7		Destina	ation _	Doler	<u>C</u> Jol	o #
Starting Time 930) Lur	nch Time			Ending Time	·	Total Ho	urs
Rate		Per_				nings		
Truck # 122		Trailer #_	-	OR PUC #			TARE	Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	1015			· · · · · · · · · · · · · · · · · · ·				
	10%							
	77.70					9		
	130				17/	25		
	225				LON	C /		
	255	-		1-6				
	375	 						
	435							

								,
PARTY CONTRACTOR CONTR								
TOTALS								. 4.3
Tickets must be signe	d and sul	omitted a	t the end	l of each	day for payme	nt.		
Note: Owner/Operator r	esponsibl	e for all ir	nsurance	and any/	all property dam	age.		
Note: Record your time It is your respons Charge standby t	ibility to go ime for an	et all ticke lything ov	ts signed er 15 mir	l. iutes.	•			
If you don't get it	on your tic	cket you v	vill not be	paid for	it.			
Driver Name	1	-4			Driyer Sign	ature		
Contracting Company	Signatur	(printed)	Hor	jr 1	Hoffma	The same		
			**		, /			

1111

Date			Custo	omer 🎉	MMBDS		
Material Hauled	·		Destina	ation	Tob	Job	· #
Starting Time 5:30	Lunch Tir	me		Ending Time	V	Total Hou	ırs
Rate							
					TARE Wt		
DELIVERED TO	PLANT PLAI TIME TIM IN OU	E TIME	DUMP TIME OUT	OR	TONS	NET YARDS HAULED	REMARKS OR HAUL TKT #
				. 15			
			10	AC			
TOTALS							
Tickets must be signed Note: Owner/Operator r Note: Record your time It is your response Charge standby-t If you don't get it	responsible for a to the nearest 1 ibility to get all ti ime for anything	all insurance 1/4 hour on t ickets signed 1 over 15 mil	and any/otal hours d. nutes.	all property dam s only.	age.	ha wird	MURAHY
Contracting Company	(prin	Her Her	y-gr	Hoffen	nan		



Origin/	- min		 	Destina	ation <u>' ' 3 * / '</u>	- 0 d	Jo	ob#
Rate		Per				Total Earr	nings	
Truck #		Trailer#_	BDO	2	_OR PUC #	NCJ 17	6 TARE	E Wt
DELIVERED TO	1	PLANT TIME OUT	1:		DOWN TIME OR	NET TONS	NET YARDS	REMARKS
			10 05			WH HIL	10	
•	 	_			 			
Harrison Street & Garage							***	The last terminal to the last terminal
		}	3 7					
				<u> </u>				
·								
		<u> </u>						

373.5 has.



Date 11 - 15 - 11	٠ ک	۸ ،						
Material Hauled	ulta	tch		Custo	mer 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10		
Origin I - Li - DI	7 X , NV	·e		Destina	ation $\frac{2}{12}$ $\frac{1}{12}$ $\frac{1}{12}$	· e		lob #
Starting Time 1:30	<u>)a w</u> Lur	nch Time _	1.1	(2)201	Ending Time	5:00p.	<u> </u>	lours 9 /2
Rate		Per_		ra ica y		Total Ear	nings	
Truck # 159		Trailer#_	BD:	<u>#6</u>	_OR PUC # <u>W</u>	MU02	3TAR	lob# lours9/ _{2_} E Wt 33, 600
DELIVERED TO	İ	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Kingers Hw. 30. Pariore	7:30A	8.50 9.15 9.50			Leaned & PV	aconded:	y Koppoi	No Wood TKIS
:	12:00	10:45 11:15 11:40			Lunch Bink			
	12:00	2:50			The state of the s	to the		
·		4:15 4:45		5:00)			
						14 10 nds		
TOTALS								
Tickets must be signed Note: Owner/Operator r Note: Record your time It is your responsion Charge standby to If you don't get it out to the Charge Standby to It you don't get it out to the Charge Standby to It you don't get it out to the Charge Standby to It you don't get it out to the Charge Standby to It you don't get it out to the Charge Standby to It you don't get it out to It you don't get it you don't get it you don't get it you don't get it you don't get it you don't get it you don't get it you	esponsible to the neal ibility to ge ime for an	e for all in arest 1/4 h et all ticke ything ove	surance nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.	age.	ick	Koski
Contracting Company	Signatur	.,						



Material Hauled	aterial Hauled DENCIL PITCH							Customer KOPPERS			
								No. BD2			
Date	- <i>9</i> 3 Stan	ting Time	730) A/4	Lunch Time	-0-	Ending	Time 300 A M			
								tal Hours 1912			
Total Earnings											
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS			
KOPPERS	830										
	915										
	1025				· 1		·	·			
	105							LONG SH, LUNKH			
	25							TARP TROUBLE			
	इंग्रह										
	420										
	720							CHANGED SHIFTS			
	810										
	623			 (
	1100			,				LANG SH, LUNSH			
	1145										
	100										
	140										
	dal										
TOTALS											
			[<u> </u>		1					
Tickets must be signe				•							
Note: Owner/Operato Note: Record your tim It is your respor Charge standby If you don't get	ne to the neansibility to go	arest 1/4 het all ticke bything ov	nour on to its signed er 15 mir	otal hours I. nutes.	only.	age.					
Driver Name JE	FAWW (printed	EU	1000)	Driver Sign	ature	land	ellod			
Contracting Compan	y Signatur	e 20	rog	٤ ,	Hoffm	anl					



Material Hauled	SNCI	2	PIT	CH		Customer	KOPI	OERS .	
Origin of Haul TERI	MANI	72 4	, PO	RTLAN OR	Job No.		Trailer N	o BD-10	
tale 11-13-9	3 Star	ting Time	73	CVEB	Lunch Time	-	Endiņg ⁻	Time 3.0	
Material Hauled PENCTL PITCH Customer KOPPERS Origin of Haul TERMANAL 4 OR Job No. Trailer No. BD - 10 ARTIVED ARTIVED Ending Time 3: ARTIVED Truck # 187 Rate \$ Per Total Hours 19 h									
Total Earnings Tare WT									
	:	<u> </u>	<u> </u>		-			· · · · · · · · · · · · · · · · · · ·	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS	
KOPPERS	8138	8:42	8:54	8:58				\$.** 	
	9:15	9:20	938	939				1.	
	9:56								
	1036		ļ					· t	
	11711					<u> </u>			
*	1:00					1 1		<u>\$</u>	
	2.50	-				1			
1	330					1			
\$6-5.	4:06								
	4:35				-				
								4.	
	6.50								
	8:10								
	8:39					1			
9,31	2457	ļ				1	(21)		
1. di	1100								
	11:50	-				-			
						,			
	12:31	-				1			
	1.42					1 1			
	2:23							1.00	
TOTALS									
Tickets must be signed		**	8	_	· · ·				
Note: Owner/Operator r	esponsibl	e for all i	surance	and any/a	all property dam	age.			
Note: Record your time to the nearest 1/2 hour on total hours only. It is your responsibility to get all tiekets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name HENRY A WOOD Striver Signature Hung a Wood Contracting Company Signature									
Contracting Conspany	Contracting Company Signature //								



Date _//-/3-	23) ,		i	•		
Material Hauled	roil		Loh	Custo	mer K	Ders.		
Origin $7-4$	<u> </u>			Destina	ation Koppe	VS1 54	Helens B	sb#
Material Hauled Origin Starting Time Rate	2 OppLur	nch Time .		2	Ending Time	3.00	A Total H	ours
Rate Hourly		Per_				Total Earr	nings	· •
Truck # 131		Trailer #_	BD	12	_OR PUC #	1NB 90	14 TAR	EWI 35,000
DELIVERED TO		PLANT TIME OUT			DOWN TIME OR	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Kneweck	620	7:05	7:15	7:20				
1.0//	7:30	7:45	7:55	800				
	8:10	8:30	8:40	8:45				
-W	8 35	6.05	4.15	7.20) 			
W	1015	11:30	11:40	11.40	· · · · · · · · · · · · · · · · · · ·			
	11:55	12:10	12:20	1225				
	12:35	12:53						
	1:25-	1:45						
10	2.10	2:35	2.75	3,50				
		are accompany and a second						
				7				
	11	5	/	1				
	1		00	OK.				
								.:-
TOTALS								
Tickets must be signed Note: Owner/Operator ronner. Record your time	esponsibl	e for all in	surance	and any/a	all property dama			
It is your responsi Charge standby ti If you don't get it o	bility to ge me for an	et all ticke ything ove	ts signed er 15 min	utes.	•		01 1	$\alpha 2$
Driver Name Randy Taxy ish								
Contracting Company	Signature		م مر ہا	. عمر ،	Hellen	dan		



11/10	(206) 5	5419 574-5971	1.E. 88th I • Out o	n St. ∙ Va of State	ancouver, Was 1-800-999-597	shington 9 1 • FAX 1-2	8665 206-574-806	32
Date	÷				-	/		
Material Hauled	per	sily pic	14	Custo	omerationEnding Time	ppers		
Origin	(a)	dund SR		_Destina	ation Tord	-land	oR Jo	ob#
Starting Time	Lur	nch Time .	No	ne	Ending Time	5 pm	Total Ho	ours
Rate Hourl	*	Per_				Total Ear	nings	w:35,000
Truck #131		Trailer #_	RDI	<u> </u>	_OR PUC #	<u>101590</u>	4TARE	w135,000
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
Koppers	7.36							
	10:11							
	11:22	1:15		-			1	
	1.40							
	200	2.211						
	3/36	3:34						·
+ +	4.79	u)ent	han	-(
),),),								
	/							
TOTALO		-17	200					
Tickets must be signed	d and aut	mitted a	thoon	of each	dou for nounce		<u> </u>	
Tickets must be signed Note: Owner/Operator r	_						and the second	at.
Note: Record your time It is your responsi Charge standby to If you don't get it	to the nea bility to ge ime for an	arest 1/4 h et all ticke ything ove	our on to ts signed er 15 min	tal hours utes.	only.	i Ata	h OR	H.
Driver Name	1(1102	(printed)	men'	<u> </u>	Driver Signa	ature V \ U	1441/2	KIIM)
Contracting Company	Signature	14	org te	/	tollen a	m		•



Date		_			i -	ί		
Material Hauled Personal Origin Starting Time	NKIC	Pit	<u>لم</u>	Custo	omer	pers	1.0	
Origin				Destina	ation KOFF	es to	Value Kas Jo	b#
Starting Time	Lur	nch Time .	Ihr.		Ending Time_3	.:00	Total Ho	ours 8 ins
Rate								
Truck # 308	- i - i (Trailer#_			_OR PUC #		TARE	: Wt
DELIVERED TO	PEANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR	NET TONS HAULED	NET YARDS	REMARKS
	7.70 8.85 8.35 9.15 11.00 11.35 11.00 12.35 14.00 14.35	7:40 8:20 9:30 11:15 12:50 130 205	8:25 9:00 9:35 115 1150 1720	8:30 9:40 1170 1155		70)		
TOTALS								
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it of Driver Name Row	esponsible to the near bility to go me for an on your tick	e for all in arest 1/4 h et all ticke ything ove ket you w	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama	age.) Qiold (v John

1000 1000

SUNRISE EXPRESS, INC.



Date 1 3 7 7 3	_ ,	·	n						
Material Hauled	Material Hauled Pencel Petch Customer Forman Dox Osc Job#								
Origin to Mand	191	e T.	4	Destina	ation Pox	ore	,	lob #	
Starting Time 6,00	Lur	nch Time ₋	APPE	101 HC	Ending Time	<u> 3:00</u>	Total H	lours	
Rate		Per_	6		· · · · · · · · · · · · · · · · · · ·	Total Ear	nings		
Truck #		Trailer #	194	103	$\frac{2}{8}$ or Puc # $\frac{\mathcal{W}}{2}$	(MUDZ	2 <u>3</u> tar	E Wt	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	OR	TONS HAULED	NET YARDS HAULED		
Pop 285	£: 30	6,55			in Line	90.0	APPROX	MOHANTETS	
HUDY 30-PDX, - 10		1,40							
	 	910				<u> </u>			
		134							
		12:45							
		1 30							
		a oc				19)			
								<u> </u>	
TOTALS	l					<u> </u>			
Tickets must be signed Note: Owner/Operator r									
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name RUSSEI PO AVID Driver Signature Jude Jude Driver Signature									
Contracting Company	Signatur	e	corpe	<u>~ / !</u>	state or	· · ·			



Date 1/-13					/ /		Ž.			
Material Hauled Pen	<1/ f	2704	.	Custo	omer_ <i>FOF</i>	PERS	· wan			
Origin \mathcal{T} -4				Destina	ation <u>Koffer</u>	PlAN	Jo	ob#		
Starting Time	<u>2</u> _Lur	nch Time .	141.		Destination Koffer's PHM Job#					
Rate	<u>-</u>	Per_	`			Total Ear	nings			
Truck # // /		Trailer #_			_OR PUC #	-	TARE	E Wt		
DELIVERED TO	TIME IN	TIME OUT	DUMP TIME IN	DUMP TIME OUT		NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #		
	7 10 805 8:35 9:15 100 100 1235 11:10 1:45	1 45	9:05 1:35 1:25 1:50 1:2:20 1:00 1:35	17.25		(10)				
TOTALS	10 10	405								
Note: Owner/Operator	Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage.									
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Driver Signature										
Contracting Company	Signatur	(printed)	be	ngh	Hollm	~				
.		v.2%.	÷							



5419 N.E. 88th St. • Vancouver, Washington 98665

91 1 1 7 7 7 7	~				1-800-999-597		10.0	13. 3 3. 3 3	
Material Hauled	FEN	il 1	HEN	Custo	omer_K	PERS	て温暖		
Date									
Starting Time 400pm Lunch Time 2 H Ending Time 300 Am Total Hours 9 HRS									
Rate /		Per				Total Ear	nings		
Truck #	166	Trailer #_			_OR PUC #		TARI	E Wt	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
5	710								
3	920				o' ,			"	
3	940								
9	1125								
Ba	1225							,	
Ю	10 155								
					(10)				
			<u> </u>						
						•			
						_			
TOTALS									
Tickets must be signe	d and sub	mitted a	t the end	of each	day for paymer	nt.		17 th	
Note: Owner/Operator	responsibl	e for all ir	surance	and any/a	all property dama	age.			
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name	HARD	C. Re	M5/	NE	Driver Sign	ature	olas C	Kenny	
Contracting Company	Signatur	e JE	ngg	H	ffm a	<u>n '</u>		<u>' </u>	



Date	_	_				,			
Material Hauled Pencil Pitch customer Kopple									
Origin T-4 Destination Kopple Job#									
Material Hauled Pencil Pitch Customer Kopple Origin T - U Destination Kopple Job# Starting Time 8:00 Lunch Time 1/h/n Ending Time 5 Total Hours 8									
	Truck#Trailer#OR PUC#TARE Wt								
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
	8:20								
	9.05								
	10:15								
	11:30								
	1:30								
	2:30								
	3:30								
4:00									
		·							
					-				
						,			
TOTALS									
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage.									
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name Leonard Gilman Driver Signature Leonard Melmon									
Contracting Company Signature ###									
•				<i>'</i>				Andrews and programs and the second s	



5419 N.E. 88th St. • Vancouver, Washington 98665

Date _// // /	(200): 9 <i>3</i>	014-091	· Out c	n State	1-600-999-597	1 • FAX 1-2	:06-574-60	52
Material Hauled	F	Heh		Custo	omer <u></u>	PPE	r	
Origin				_ Destina	ation # Cox	PER	J	ob #
Date // // / / / / / / / / / / / / / / / /	Lur	nch Time	,		Ending Time		Total H	ours
Rate		Per_				Total Earl	nings	
Truck #		Trailer #_	30	04	_OR PUC #		TAR	E Wt
DELIVERED TO		PLANT TIME OUT	1	DUMP TIME OUT	DOWN TIME OR STAND-BY			REMARKS
Kopel	820 755 930 985							
	1140							
	210				SA C	/		
	210							
	// JO							
TOTALS								
Note: Owner/Operator of Note: Record your time It is your respons Charge standby t	responsible to the nea ibility to ge ime for an	e for all in arest 1/4 h et all ticke ything ove	isurance nour on to ts signed er 15 min	and any/antal hours l. utes.	all property dama			
If you don't get it Driver Name	on your tic	ket you w	vill not be	paid for i	it. Driver Sign	aturé -		
Contracting Company	Signature	(printed)	ì	Ap	n			



Material Hauled	1011 /j	110/	/	Custo	mer <u> / 0///</u>	26× 5			
Origin TERM	NAC	世 4	· 	∠ Destina	ation $\frac{1600}{000}$	0096S		Job #	
Starting Time 330	AM Lui	nch Time .	Ø		U Ending Time	500PM	Total H	Hours 8/15/1185	
Rate	RatePerTotal Earnings								
Truck #		Trailer#_	BD-					RE Wt	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	I I	
Koppers	1015 1040 1110 1145					0	e Per)	Jok-	
342-7	140 340 325 400	ATT.	11	Lo	ADS CO	73110	0		
	430								
\$						·			
TOTALS	TOTALO								
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage.									
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name FR 31 K TACHAL Driver Signature Toucket									
Contracting Company Signature									



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Material Hauled Pen	cile	Ditel	<u></u>	Custo	omer_ <i>Kop</i>	Der			
Material Hauled Pen Origin T-4 P	ortlan	-C	ALPHA SERVICE SERVICE SERVICES	Destina	ation Iran	oer_	J	ob#	
Starting Time 6,36	2	nch Time .	·	·	Ending Time	000	Total H	ours	
Rate		Per/	40.	<u>.</u>	<u> </u>	Total Earr	nings		
				OR PUC #					
DELIVERED TO	, ' .	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
	7:30			7.6/	26	in	OUT		
	800	ļ		8.23	27				
3	8:47			9:00	28			and the first of the second	
4	9:28			4:48	29			, see 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	11.23			11.40	30	-			
<u>4</u>	12.04			12.00	31			4.	
. 8	1 741			1:09	33 33				
- G	211			2.45	34			<u></u>	
10	2.7				3.5				
11	10-14-16	ونان		a	36	-			
12				9)	37				
					38				
				[]	37				
<u> </u>	-			ļ	40				
	<u> </u>				41				
	 			 	43		·		
19		<u> </u>			4/4	,			
27					1/5				
2,				<u> </u>	46				
22					47				
23					418				
<u> </u>		ļ		<u> </u>	49				
TOTALS 25	<u> </u>			<u> </u>	50	<u></u> j			

Note: Owner/Operator responsible for all insurance and any/all property damage.

Note: Record your time to the nearest 1/4 hour on total hours only.

Date 11

It is your responsibility to get all tickets signed.

Charge standby time for anything over 15 minutes.

If you don't get it on your ticket you will not be paid for it.

Driver Name Robert William 5	Driver Signature A Sea Shallers
Contracting Company Signature (printed)	Hollen and



Material Hauled Property Starting Time 17:45	il 1	atch		Custo	omer Kon	persi		
Origin T=4/P	nita	1 14	20	Doctin	ation they is -	tasti	and Ose	loh #
01giii	57	HORY	i h.	Desim	84	5:00	anaje ie	01/1
Starting Time 1: 13	A.M. EST	ica• lime _	1 1/1	<u>- Эт нт. «</u>	Ending Time	J. Jog.	· MA_lotal F	lours
Hate		Per_				Total Ear	nings	
Truck # 159		Trailer#_	BD#6	<u> </u>	_OR PUC # <u>\//</u>	muoz	2 <u>3</u> TAR	IE Wt 33,600
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	HAUL TKT #
Rochers .	7:45A	8:15			wait	APTICY 22.9	20.6,	no Hacel Itta
HL 130 2		3:45						
or Land Bridge		Cr. 150						
TOWN DONA PORT OF		10:15		<u> </u>				
		10:50						
	10 100	11:30		¥	Significal 1/4 his	-,/		
,	12:000	1 10			74 his	Tren WA	A In Cine	
:0		7 15		<u> </u>				
		3:10						
,		3:50		5:00A			<u> </u>	
•		1.10		13.00p		***************************************		
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TOTALC			1 14					
TOTALS	L			L	<u> </u>	L	<u></u>	
Tickets must be signed Note: Owner/Operator r	esponsibl	e for all in	surance	and any/	all property dam			
Note: Record your time It is your responsi Charge standby ti If you don't get it of	bility to ge me for an	et all ticke ything ove	ts signed er 15 min	l. utes.	-		/	, , , p
Driver Name <u> </u>	K	K05k (printed)	<u> </u>	. <u>.</u>	Driver Sign	ature_R	ick	Koski
Contracting Company	Signatur	e						

Puix N



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Customer

Origin 7-4- Pa	Ila.	27 A. B	210	Destina	ation in 1	and b	40	Job #		
Origin 7-4- Par Starting Time 6:00	<u> </u>	/ nch Time .	<u>Ø</u>		Ending Time	10 00	Total F	Hours 4 hv	5	
Rate										
Truck # 159		Trailer #_	RD #	6	OR PUC # $\overline{\mathcal{W}}$	MUOZ	3_TAP	re wi <u>33,</u>	600	
DELIVERED TO	PLANT TIME IN	TIME TIME TIME OR TONS YARDS					OF HAUL T	MARKS OR JL TKT #		
Knows Inc	6:000	6:30			ulad soline	20.	20 2	No HAUL	TUTS	
Koppers Inc Hwy 30. PDY, Dre	10.000	7'10			N 1/	00		7,.707		
		7:40			S 11					
		8 25					ļ	ļ		
	 	9:10		1.0			 			
		9.40		10:00)	<i>m</i> .	<u> </u>				
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	ļ <i>,</i>	<u> </u>	(/)5					ļ		
<u> </u>	 		1		1					
	 	\ <u></u>	LOC			 				
	<u> </u>	/	123							
TOTALS										
Tickets must be signe	d and sul	omitted a	t the end	of each	day for payme	nt.				
Note: Owner/Operator r	esponsibl	le for all ir	surance	and any/	all property dama	age.				
Note: Record your time It is your responsi	to the nea	arest 1/4 h et all ticke	nour on to	otal hours						
Charge standby to					ta				<i>*</i>	
If you don't get it	on your tid	cket you v	viii not be /	'paid for	11.		, 1	. ,	1	
Driver Name 1	rk o	KOS (printed)	K		Driver Sign	ature	rek	- KOX	le_	
Contracting Company	Signatur	.,			·					
, <u>3</u> ,										



Date 1114 273								
Material Hauled Pe	12161	L Pa	tcH	Custo	omer TOP	Dens	Th	idustries
Origin Porti	0110	1.3R		_Destina	ation Persof	Land	1,0h	lob#
Starting Time 6 0	CP/Cur	ch Time .	_£	}	Ending Time_10	0:00	Total F	lours_
Rate		Per_				Total Ear	nings	
Truck # 130		Trailer#_	<u>B()</u>	1 (_OR PUC #	·	TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	r .
	6:00 6:53 7:34 8:36							
	7:06			5	Loa	05		
TOTALS								
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	to the nea ibility to ge ime for any on your tic	e for all in trest 1/4 h et all ticket ything ove ket you w	surance a four on to ts signed er 15 min rill not be	and any/a tal hours utes. paid for i	all property dama only.	age.	<u>eorgi</u>	w Blank
Contracting Company	Signature)		· · · · · · · · · · · · · · · · · · ·				·



Material Hauled Pc nc 1 Pit CH Customer Nopers Industrial Origin Port Land, OR Destination Port Land, OR Job# Starting Time 2:00 Lunch Time Ending Time 5:00 Total Hours T Rate Per Total Earnings Truck # 130 Trailer # B D 1 OR PUC # TARE WI DELIVERED TO TIME TIME TIME TIME OR STAND-BY HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HAULED HOOR STAND-BY HOOR HAULED HAULED HAULED HAULED HAULED HOOR HAULED HAULED HAULED HOOR HOOR HAULED HAULED HAULED HAULED HAULED HOOR HAULED HAULED HAULED HAULED HAULED HOOR HAULED HAULED HAULED HOOR HAULED HAULED HAULED HOOR HAULED HAULED HOOR HAULED HAULED HOOR HAULED HOOR HAULED HOOR HAULED HOOR HAULED HOOR HOOR HOOR HOOR HOOR HOOR HOOR HOO	Date 11/14/73											
Starting Time	Material Hauled Pe v	ICIL	Pit	CH	Custo	omer Kop	pers	Inc	lustries			
Starting Time Per Total Earnings Truck # 1 3 0 Trailer # B D I OR PUC # TARE WI DELIVERED TO	Origin Portlan	1,01	2		Destina	ation Port	land,	00.	Job #			
Truck # 1 O Trailer # B D 1 OR PUC # TARE Wt DELIVERED TO	Starting Time 9 / 00	<u>⊃</u> Lur	nch Time .		· · · · · · · · · · · · · · · · · · ·	Ending Time 5,00 Total Hours						
Truck # 1 O Trailer # B D 1 OR PUC # TARE Wt DELIVERED TO	Rate		Per_			Total Earnings						
DELIVERED TO TIME TIME NOT STAND-BY TONS YARDS OR HAULED H	Truck # 130		Trailer#_	BD	11	OR PUC # TARE Wt						
Totals Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.	DELIVERED TO	TIME	TIME	TIME	TIME	OR	TONS	YARDS	OR			
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.	7540 NW ST Helens RD	8:05										
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.		334					14	Lo	c0S			
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.		4:09 4:36										
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.												
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only.	TOTALS											
Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name For Received Driver Signature Levey W Blanker (printed) Contracting Company Signature												

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Tel Ho		5419 N) — 1.E. 88tl	n St. • Va	ancouver, Was	shington 9	8665	
77 717	(206)				1-800-999-597 ⁻			62
Date ///	5. 1		.// .//				2005	
Material Hauled	A CO	e) ic	<u>-tw</u>	Custo			12 X	
Origin 101		t +	1 11		ation Tortle	with the		lob#
Starting Time	Lur	nch Time	14		Ending Time	2 hm	Total F	lours CO (C)
Rate Tia	**************************************	Per_	2 1	10	1/	Total Ear	nings TAR	25 000
Truck #	<u> </u>	Trailer #_	DU	102	OR PUC #\\\	W BY	TAR	EWI 35, 000
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT#
Appers	200							
	F 75							
	4 34							
	11:45	1:06						
0	1:59							
	371						·	
	11:12							
5	4.42	No	more,	vads				
		=						
	71	1		75				
TOTALS	1/5	4	Vid					
Tickets must be signe	d and da	minada	Hra ene	Olosch	day for navmer	nt.	<u> </u>	
Note: Owner/Operator r	- L			_				
Note: Record your time It is your responsi Charge standby to If you don't get it	to the nealibility to ge ime for an	arest 1/4 h et all ticke ything ove	nour on to ts signed er 15 min	otal hours i. utes.	only.	- M.	trall	Sitere
Contracting Company	Signature	(prihted)		15		2		
			و	_				



	•	7						45.		
2nd Shift	>				ancouver, Was					
Date	(206) t	0/4-59/1	· Out c	of State	1-800-999-597 ⁻	1 • FAX 1-2	206-574-806	52		
Material Hauled	encile?	picth		Custo	omer Ka	precs				
Origin rort of	Port	iland	·	Destina	ation <u>Rorl</u>	land	<u> </u>	ob#		
Starting Time BAM Lunch Time HR Ending Time DAMAI Hours 37+25										
Rate How Ly Per Total Earnings Truck # 1SI Trailer # BDID OR PUC # M NR90 Y TARE Wt 35,000										
Truck #13		Trailer#_	BDI	5	_orpuc#	NB90	<u>) </u>	EW1 <u>35,000</u>		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #		
Koppers	600									
	8/1/									
	724			_	/			All de la destruction de la constant		
	9.50	They	unt c	en Drea	(100		
					•			`		
	7	-1								
			Y11	/ <			·,			
TOTALS		10				- •				
Note: Owner/Operator r										
Note: Record your time It is your responsi Charge standby to If you don't get it	ibility to ge ime for an	et all ticke ything ove	ts signed er 15 min	utes.			. t 1			
Driver Name	chael	B'W (printed)	Hence	. :::::::::::::::::::::::::::::::::::	Driver Signa	ature <u></u>	ichael	Buttens		
Contracting Company	Signature	41	The second second	Jan Jahren						



Date 11-14-93	,	0,1	1.2.1	1	ر مل م	ومتمالية	· · · · · · · · · · · · · · · · · · ·	and Hell
Material Hauled PE	1500	Dite		Custo	omer K.O.	JOLES C		·*····································
Origin TEICMIN	مر ا	17.7	4	Destina	atjon	PPENS		lob #
Starting Time 600 P	M_Lur	nch: Time	# 1 °		Ending Time	300	Total H	lours 9 14 12 s
Rate		Per_				Total Earr	nings	
Truck # 170	11/2	Trailer #	BD.	-2_	_OR PUC #		TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR
W ODERS	600	(030)						
27	700	760			70003	34	press /	les Jeac
JUN 3	1750				0		- 1	
	445	<i>.</i> .						<u> </u>
	926	-11-7						
	1000	1/25				,		
. ,	1150							
	1220							
	1243	/				***************************************		
	115							
	145							
	173							
TOTALS								
Fickets must be signed Note: Owner/Operator re Note: Record your time in It is your responsil Charge standby till If you don't get it o	esponsible to the nea pility to ge me for an	e for all in arest 1/4 h et all ticke ything ove	surance nour on to ts signed er 15 min	and any/a otal hours !. utes.	all property dama only.			
Driver Name France	ak I	AC LA	I HOLDE	paid for t	Driver Sign	ature	Had	hel
Contracting Company	Signature	3	racio+		HUTILL	. U	• .	



ting time (CC)	Lur بہمرت	nch Time .	1 1 1/2	<u> </u>	Ending Time	100 pm	Total Hou	rs_ <u>()////</u>		
iginarting Timete		Per_				Total Earr	nings			
ıck # (e/e		Trailer #_		OR PUC # 172 TARE Wt						
DELIVERED TO	1	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR	NET TONS	NET YARDS	REMARKS OR		
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7	940 1130 1225									
7	205	-	S. Servet and	.3	· L	4	**			
) 5				
	F									
TOTALS										
ckets must be signe						nt.	*			
ote: Owner/Operator in the control of the control o	to the nea ibility to ge ime for an	arest 1/4 het all ticke ything over	our on to ts signed er 15 min	tal hours utes.	only.	age.	re Soul (1 Jameni		



Date 8.15-93 Material Hauled Pencil 17:4ah Customer Loppies											
Material Hauled Per	nail	1/70	ih_	Custo	omer Log	DORS	· · · · · · · · · · · · · · · · · · ·				
Origin T-L Postarting Time 6 / Of	Alla	ds	-12	Destina	ation Kep	per25		Job #			
Starting Time 6100	D_Lur	nch Time .	0	-	Ending Time	3,00	Total H	lours			
Rate		Per_	XIK		· · · · · · · · · · · · · · · · · · ·	Total Ear	nings				
Truck #/85		Trailer#_	<u> </u>	12/	_OR PUC #		TAF	EWI 3 400			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	5 i			
Kapares Huy 30		80000000000000000000000000000000000000	73456				7				
TOTALS											
Tickets must be signed Note: Owner/Operator re Note: Record your time It is your responsil Charge standby til If you don't get it o	esponsible to the near bility to ge me for an on your tice	e for all in arest 1/4 h et all ticket ything ove ket you w	surance of sour on to the signed or 15 min.	and any/a tal hours utes.	all property dama only.	age.) 7.0 . Tu	to Heland			
Contracting Company	Signature	<u></u>	COLVA	- d	FINE	rl					



Date		****						
Material Hauled	cil 1	oitch	· · · · · · · · · · · · · · · · · · ·	Custo	omer Ko	pers	100,	
Origin $T-4$	· · · · · · · · · · · · · · · · · · ·		· ·	Destina	ation <u>Kappess</u>	ine	J	ob#
Origin	Lur	nch Time .	1+K	-	.Ending Time	5:00P	N_Total H	ours_8_HB5
Rate		Per_				Total Ear	nings	
								EW1 33,000
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	
Koppers	8:30							
10	8:30 9:10	<u> </u>						
	9:45	5						
	10:22	<u> </u>						
	11:28							
Lunch	12:00	7						
12:00101:00	2:24	\ <u>\</u>						
	3:00	9				 		· · · · · · · · · · · · · · · · · · ·
	3:39	11						
	4:11	12			72			·
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TOTALS				-				
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsible to the nead bility to ge ime for an	e for all in arest 1/4 h et all ticke ything ove	surance nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama	age.) and	63-77
Contracting Company	Signatur	(printed) 2	Tobert		Hitell	/_		
					_	j.		



Date 11-14-93		. ~	1 .		1/	1	()		
Material Hauled	encil	- ال	tch	Custo	omer	ppre	22_		
Origin 1 - 4	tent	152	· UR	Destina	ation Ko	Spercis	J	ob #	
Starting Time 9:0	C Lun	nch Time	<u>-6</u>	5	Ending Time_	(CO): 2	Total H	ours	
Rate			,	,			3		
Truck#	166	Trailer#_	BD	15	_OR PUC #		TARI	EW1 30,46	_0_
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	TONS	NET YARDS HAULED	REMARKS OR HAUL TKT :	l
Hours 1		7 .00 1 .45 10 .00 1 .55 1	- mahalaget				5/		
TOTALS									
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it o	esponsible to the nea bility to ge me for an	e for all in arest 1/4 h et all ticke ything ove	surance a nour on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.	age.	Bau	ro K	; ;
Contracting Company		(printed)	Know	4	4/201			- Car	
Transfer of the state of the st	9					<u> </u>			



Date 11-14-9	<u>3</u>	\wedge								
Material Hauled Tex	icil	HIL	·h_	Custo	omer <u>Ko</u> p	pers				
Origin		- <u></u>		Destina	ation Kopk	bers	Jo	ob#		
Material Hauled Tex Origin T - 4 Starting Time 6:00	PMLur	nch Time .	4		Ending Time	10:00	pm Fotal Ho	ours		
Rate / four /		Per_				Total Earr	nings			
Truck # 180		Trailer #_	BI	>-13	_OR PUC #		TARE	. Wt		
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #		
Koppers							-			
	•									
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	- ,	1	1							
	1	+								
		1 - 4			13					
							?. v.			
TOTALS										
Tickets must be signed	d and sub	omitted a	t the end	of each	day for paymer	 nt.				
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Driver Signature										
Contracting Company Signature Story Hoffman										
			•		/					



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Date 1/-14.43

Material Hauled Pen	cil Pit	وبر		Custo	mer Kollek	ی			
Origin <u>T- Y</u>		Destination_koffek's PlantJob#							
Starting Time 10:30	Lur	nch Time	The		Ending Time/	030	Total Ho	ours	
		Per_				Total Earr	nings		
Truck # 308		Trailer #OR PUC #TARE Wt							
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT		NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
		11:20						· ·	
		1:10			·				
	1:55	2:05	2/2	2.20					
	7.55	235 3:15	3:20	375 375					
	335	7.30	3:55	400				·	
`	5.45	6:40	6:50	10:55	-	<u> </u>			
	7:05	77 60	1:30	[2:3st					
		8:20		035				,	
		1:10							
	ļ				(13)				
-									
								3	
TOTALS									
Tickets must be signe	d and sul	mittad a	t the and	l of each	day for navme	nt			
Note: Owner/Operator							•		
Note: Record your time It is your respons Charge standby t If you don't get it Driver Name	to the nealibility to ge ime for an	arest 1/4 het all ticke ything over	nour on to ts signed er 15 min	ital hours utes.	only.	(1)	JB.	w.	
Contracting Company	Signature	(printed)	Gen	gh	Haffn	ranj	, '		
				<i>V</i>	, .				



Date//~ /5- 9								
Material Hauled	Dencit	0,0	Λ,	Custo	omer			
Origin	Pers			Destina	ation	Spper:	۶۰	Job #
Starting Time 8 03	Lur	nch Time .	1 %	<u> </u>	Ending Time	500	Total F	lours
Rate	<u> </u>	Per_				Total Eari	nings	9 -
Truck #		_Trailer#_	\mathcal{B})9_	_OR PUC #		TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
1 2 3 3 3 5 5 5 6 6 7 7 8 8 9 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10:40 11:15 1:15	10:05 11:20 1:20 2:10 2:30 3:30						
TOTALS								
Tickets must be signed Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it of	esponsible to the near bility to go me for an	e for all in arest 1/4 h et all ticke ything ove	surance our on to ts signed er 15 min	and any/a tal hours utes.	all property dama only.	age.		J. Leaves
Contracting Company	Signatur	.,	E	<u>III</u>	1	~		

Shift 1

SUNRISE EXPRESS, INC.



Naterial Hauled Line Origin 7-4		Dor							
ruck # 159		Per_ Trailer#_			OR PUC # <u>*Y¥</u>			E Wt _	33,600
	PLANT TIME IN	l		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	· 	REMARKS OR HAUL TKT #
Soppers Inc	8:00A	8:35		_	Hurry-up/wait	20.0	20.9	NO	HAUL TKTS
Wy 30 - DOX, OTE.					1 //				
		10 00		<u> </u>					
		10:40							
7		11:45		12:00					
*	12:15	1:25			STANDBY I he				
•		210					ļ		
1		3,4%		<u> </u>					
	, <u>, , , , , , , , , , , , , , , , , , </u>	4/30		4:40					
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15									
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20									
			1.05.						
			485	week Col				- -	
TOTALS				,*			-		
TOTALS ickets must be signed	and sub	omitted a		of each	day for paymer	nt	·		
lote: Owner/Operator re									
lote: Record your time to it is your responsib Charge standby tin If you don't get it o	o the nea pility to ge ne for an	arest 1/4 h et all ticke ything ove	our on to ts signed er 15 min	otal hours I. outes.	only.				
									1 3



Date 11-15-43	_ , _								
Material Hauled PERSITER Customer CORDERS Origin TERMINAL #4 Destination CORDERS Job#									
Origin TERMIN	<u> </u>	±4.		Destina	ation	PPER	ک	Job #	
Starting Time 1300	D_Lur	nch Time		<u>.</u>	Ending Time	500	Total F	Hours SHRS	
Rates		Per_	<u> </u>			Total Éarr	nings		
Truck # 2 S		Trailer #_	BD	_ ?	_OR PUC #		TAR	E Wt	
DELIVERED TO		PLANT TIME OUT		1 1	DOWN TIME OR STAND-BY		NET YARDS HAULED	REMARKS OR	
	1200	100						Support the minds	
KOPPES	130	155						0 1	
<u> </u>	2125		· · · · · · · · · · · · · · · · · · ·			\sim	(Jan	Ray House	
	756	330			5 L W/) 5	00	Y YPO	Jeans.	
	×> >								
	705	430							
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	l .								

TOTALS									
Tickets must be signed	d and sub	mitted at	the end	of each	day for paymen	nt.			
Note: Owner/Operator re				-		ıge.			
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name FRANK FACTION Driver Signature to the Tunhol.									
Contracting Company	Signature	(printed)	engi	- /4	Alm ur		·		



Date 11-15-43								
Material Hauled PENCIL PHEH. Customer KOPPERS Origin TEKMINAL #4 Destination KOPPERS Starting Time SOOPM Lunch Time Ending Time SOOPM Total Hours 10HIZS								
Origin TEKMI DAL #4 Destination KOPPERS Job#								
Starting Time 500 pm Lunch Time Ending Time 300 APL Total Hours OHIZS								
Rate								
Truck # 2_5		_Trailer #_	RD-	- ?	_OR PUC #		TAR	E Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR
KOPPEHS	710	725			0 1	24	JAIUS	pu ford.
	755	855		4	Joach			
1015 1115								
1145 1225								
	100	120						
	130	155						·
	255	230						
TOTALS								
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Driver Signature								
Contracting Company	Signatur	V	lorg	1/	Joffm a	ndl		<u> </u>



Material Hauled P	neil.	e Pi	tch	Custo	omer Kon	per	5		
Origin T 4				Destina	/		J	ob #	
Starting Time (2)	Lur	nch Time .	1 HR		Ending Time 3	Job #			
Rate		Per_	···			Total Earr	nings		
Truck # 1 44		Trailer # _#	BDI	0_	_OR PUC #		TAR	E Wt	
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR	
	645	700	:						
	5085	7 35							
	950	11/49							
	1,00	12/3							
	30	200			(8)				
TOTALS									
Tickets must be signe	d and sub	mitted a	t the end	of each	day for naymet	nt	L		
Note: Owner/Operator									
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.									
Driver Name	1 19	(printed)		/C N	Driver Signa	ature	ren e	rwy	
Contracting Company	Contracting Company Signature From Matter and								



Date/									
Material Hauled Policy Description Customer (SPR) Origin Job #									
Origin	46 Z			_Destina	ation	1000	Je	ob #	
								ours	
Rate		Per_	·····			Total Earr	nings		
Truck #/ 2 /									
DELIVERED TO	1 1	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	OR	
1011(\$>	5 30 (7 15) 7 15 5 8 50 6 11 20 1 12 40 1	7:20						.,5	
TOTALS									
Tickets must be signed Note: Owner/Operator or Note: Record your time It is your responsion Charge standby till figure don't get it of Driver Name Contracting Company	to the neare ibility to get ime for anytion your ticke	for all ins est 1/4 ho all ticket hing ove	surance a our on to s signed or 15 mini	and any/a tal hours utes.	all property dama only.	age.	<u> </u>	Solo	



<i>!</i>	··			Job No		Trailer N	o. BD 2	
3 Star	ting Time	8:0	0	Lunch Time	1hr	Ending	Time <u>5.00</u>	
	Rate \$_			Per		Tota	al Hours	
os D	.) C .	<u> </u>	2 7 0	Tare WT_				
PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS	
9:00 9:35 10:15 11:05 11:40 1:15 2:25 3:20 4:15	3:) lo						
Tickets must be signed and submitted at the end of each day or payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Oriver Name ARMAN SAMPLE Driver Signature Contracting Company Signature								
	PLANT TIME IN PLANT TIME IN P: 00 P: 36 P: 75 PLANT TIME IN PINT T	Rate \$ PLANT PLANT TIME IN OUT 11:05 11:	Rate \$ PLANT PLANT TIME IN OUT IN TIME IN OUT IN O	Rate \$ PLANT PLANT DUMP TIME IN OUT 11:05 11:05 11:05 11:05 11:15 2:25 3:20 4:15 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 2:25 3:20 4:15 3:25 3:20 4:15 4:15 3:20 4:15	Starting Time 8,000 Lunch Time	A Starting Time 8:00 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time 1 Lunch Time 0 Lunch Time 1 Lunch Time	Rate \$ Per Tota Tare WT PLANT PLANT DUMP DUMP DOWN TIME NET YARDS HAULED RIN OUT STAND-BY HAULED A 2 3 3 2 3 3 2 0 47 75 A 2 3 5 3 2 0 47 75 A 3 2 3 5 3 2 0 47 75 A 3 2 3 5 3 2 0 47 75 A 3 2 3 5 3 2 0 47 75 A 4 5 5 6 7 8 8 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8	



Date		~1			, /	•		
Material Hauled	,	fite	h	Custo	omer	PLAT	<i></i>	•
Origin	<i>f</i>			Destina	ation	-DP2	Jol	o#
Starting Time	Lur	nch Time .	_Ø		omeration	10	Total Ho	urs
Rate		Per_				Total Earr	nings	
Truck # 122	1	Trailer #_	BU	4	_OR PUC #		TARE	Wt
DELIVERED TO	PLANT TIME IN	i		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #
	154							
	330				(3)			
1 TO 1 TO 1 TO 1 TO 1 TO 1 TO 1 TO 1 TO								
TOTALS								
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage.								
Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.								
Driver Name Driver Signature Driver Signature								
Contracting Company Signature								



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Date .

Material Hauled 7 Origin 7 Starting Time	4		·	Custo	omer		v.5		
Origin				Destina	ation		Jo	b#	
Starting Time	Lur	nch Time			Ending Time	5	Total Ho	urs	
Rate 122_		Per Bald				Total Farnings			
Truck #		Trailer#_	Wt						
Truck # DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT #	
	30%		/_	-				7	
	400	ţ							
	1/20					 			
	1130								
	20								
	300								
	4				(9)				
				· · · · · · · · · · · · · · · · · · ·					
	-								
	 								
TOTALS									
Note: Owner/Operator Note: Record your time It is your respons Charge standby If you don't get it	responsible to the neasibility to gettime for an	e for all in arest 1/4 h et all ticke ything ove	surance our on to ts signed er 15 min	and any/a stal hours l. sutes.	all property dama				
Driver Name					Driver Sign	ature			
Contracting Company	Signatur	(printed)							



Date								
Material Hauled PINA								
Origin	2/		<u>-</u>	Destina	ation	ERS	Jo	ob #
Starting Time 8 00	<i>AM</i> Lur	nch Time	 :	 	Ending Time	1000 8	Total H	ob# ours/
Rate		Per_				Total Earl	nings	
	•							≣ Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT#
1 KOPPERS 2 2 3 6 7 8 9 10 11 12 13 14 15 16	1200 235 335 45 700 700	8 15 9 17 10 52 130 3 20 7 30 9 33	9:2	1000				
TOTALS Tickets must be signed	d and sub	omitted a	t the end	of each	day for payme	nt.		
Note: Owner/Operator r Note: Record your time It is your responsi Charge standby ti If you don't get it of	responsible to the neal ibility to go ime for an	e for all in arest 1/4 h et all ticke ything ove cket you w	isurance nour on to ts signed er 15 min	and any/a stal hours l. utes.	all property dama	age.	Tom	Read
Contracting Company	Signatur	(printed)	B	fai,	ley			
		•						



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062 Material Hau Customer, Origin Destination. Starting Time Lunch Time Ending Time. Total Hours Rate Total Earnings Truck # railer# **DOWN TIME PLANT PLANT DUMP DUMP** REMARKS NET **NET** TIME TIME TIME TIME TONS **YARDS** OR **DELIVERED TO** OR HAUL TKT# IN OUT IN OUT STAND-BY **HAULED HAULED** 5 **TOTALS** Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name **Driver Signature** Contracting Company Signature



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Tickets must be signed and submitted at the end of each day for payment.

Note: Owner/Operator responsible for all insurance and any/all property damage.

Note: Record your time to the nearest 1/4 hour on total hours only.

It is your responsibility to get all tickets signed.

Charge standby time for anything over 15 minutes.

If you don't get it on your ticket you will not be paid for it.

Driver Name Michae	L Rutte	Δ <u>S</u>
Contracting Company Signature	(printed)	1



Date												
Material Hauled PTNCeL PTTCh Customer KOPPERS												
Origin 7-4	···			Destina	ation <u>Kof</u>	PPERS	Jo	ob#				
Starting Time 7 43	Lur	nch Time			Ending Time	8 -15	Total He	ob#				
RatePerTotal Earnings												
Truck # 166		Trailer#_	30		OR PUC #_/\/	CJ 1	7 <u>2 </u> tari	≣ Wt				
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR STAND-BY		NET YARDS	REMARKS OR HAUL TKT#				
KOSPERS	7 45	8		8.45								
			<u> </u>									
	-											
	 											
		·										
							-	· .				
					-van-							
TOTALS			<u> </u>									
Tickets must be signe	d and are	mittada	t the er-	l of cook	dou for novemen							
_												
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.												
Driver Name Ton	Driver Name Tony Roisch Driver Signature Tong Rossel											
Contracting Company	Signatur	9		Jm_	4.00							



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Material Hauled PENCY Pitch Customer Ko PPERS

Origin of Haul	<i></i>				Job No		Trailer N	lo. 802			
Date 11-16-93	Star	ting Time	1:0	0	Lunch Time	· · · · · · · · · · · · · · · · · · ·	Ending	Time <u>9:30</u>			
Date 11-16-93 Truck # 170		Rate \$_		<u>.</u>	Per		Tota	al Hours 1/2			
Total Earnings	Puc	. Mu	ار کا کارا	28	Tare WT						
DELIVERED TO		PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REMARKS			
Konpers	8:00			9:30							
				7							
		11	/								
					-Ai-						
		:									
TOTALS											
Tickets must be signed				-		200					
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.											
Driver Name <u>NORM</u>	AN Sprinted	mp	LE,	A	Briver Sign	ature //	man	Sample			
Contracting Company	Signatur	ee	116								

Xx.



Date $\frac{1/-15-93}{1}$												
Material Hauled Rencil Putch Customer Koppers												
Origin T-4 - Partland, Ore Destination Partland, Ore Job#												
Date 11-15-93 Material Hauled Lincil Putch Customer Koppers Origin 7-4-Portland, Ore Destination Portland, Ore Job# Starting Time 6:00p. Munch Time Inv Standby Ending Time 1 304. m. Total Hours 7/2 Rate Per Total Farnings												
Rate	•	Per_				Total Earr	nings					
Truck #		Trailer #_	BD#	6	_OR PUC #_ <u>\</u> /	MWLUO	23 TAR	1EWI 33,600				
DELIVERED TO	1	PLANT TIME OUT				NET TONS HAULED	NET YARDS HAULED	REMARKS OR HAUL TKT#				
120015- HIDV 30	5:00 aug	6:40			WAIT	APProx 20.0	20.2	NO HAUL TIETS				
pp15-Hwy 30.	2.00	7 25			WAIT							
,		11.15			WAII			LOADER AT 3' 49				
5		12:10		1.25				Then I rulled op.				
•		1:05		107		ļ						
10												
					/							
			10)	5							
			HA	5	7/2							
					6000							
TOTALS	1	l		<u> </u>		<u> </u>						
Note: Owner/Operator r							٠.					
Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Rick Koski Driver Signature Rick Koski.												
Contracting Company	Signatur	(printed)										
	o-gridiai.	·			į.							



Date	<u> </u>	o ' 0 .									
Material Hauled Solver Origin 7-4 - Por	il f	itch	<u> </u>	Custo	mer Kara	Way					
Origin 7-4 - Par	Dano	[, 19r	.e	Destina	ation <u>South</u>	and,	are.	lob #			
Starting Time 8:00	<u>PA-ZWL</u> ur	nch Time .	(F)		Ending Time/	2:009	<u>⊅</u> ^_Total ⊦	lours			
Rate	·	Per_				Total Earı	nings				
Truck # 159		Trailer #_	PD #	-6	OR PUC #_ <u>\{\}</u>	IMU02	<u>3</u> TAR	EWI 33,600			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY			OR HAUL TKT #			
Koppers Inc.	8:00	9:00				APPROX	APProx	no Haul Illi			
Holy 30 .	0,20,	9:50				2.0.	<i>3.0</i> ,	117711622 (14.7.			
Porting Ore:		10:45		11:45							
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1											
3								AT N			
173								~			
10											
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15											
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				10	2						
				14.75		 					
TOTALS											
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it.											
Driver Name / 10	<u> </u>	(printed)		1/9	Daver Sign	ature	WR_	KOURE			
Contracting Company	Signatur	e		1 1	<u>-</u>			`			



Date		$\alpha I = I$, /			
Material Hauled		Hich		Custo	omerA	pper	3/1/2	.7
Origin		_		Destina	ation 4	0020	<u>v5</u>	Job #
Origin	Lur	nch Time.			Ending Time		Total l	Hours
Rate						Total Ear	nings	
Truck # 122		Trailer #_	B	04	_OR PUC #		TAF	RE Wt
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	
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Date 11-16-93											
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				Total Earnings							
				OR PUC # MTK 427 TARE Wt							
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Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Driver Signature Driver Signature											
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Date ///	(206) : 	0/4-59/1	• Out o	or State	1-800-999-597 ⁻	1 • FAX 1-2	:06-574-80	62
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Contracting Company	Signature	(printed)			Driver Signa	ature / V *L/	view /2	20/2
Contracting Company	oignatur							



Date 11 - 16		\mathcal{O}	1 1		سو .						
Material Hauled Pericil Pitch Customer Koppers Origin Tel Portland Destination Soppers Starting Time Sigo Lunch Time Ending Time 3430 Total Hours Per Total Farnings											
Origin Tel Por	Hans	<u>/</u>		Destina	ation 50,20	er5		Job #			
Starting Time 500	<i>Q</i> Lur	nch Time			Ending Time 3	130	Total F	lours_2 s_5			
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KKC General Steamship Gorporation LTD.

421 S. W. Sixth Avenue, Portland, Oregon 97204 · Telephone: 228-7214 · Cobie: "GENSTEAMCO"

STATEMENT OF FACTS

"PAN HOPE"

Voyage: 116

PORT: COLUMBIA RIVER DISTRICT

OWNERS

PAN OCEAN SHIPPING COMPANY, LTD.

CHARTERERS

SANGYONG CORPORATION

CARGO-DISCHARGED:

8,000 M/T OF COAL TAR PITCH IN BULK

Arrived: Col/River Seabouy at 1250 hours 11/12/93 at 2215 hours 11/12/93 Notice of Readiness Tendered: at 1250 hours 11/12/93 Pilot On Board: Notice of Readiness Accepted: Anchored: BY KOPERS INDUSTRIES, INC. at N/A at 2215 hours 11/12/93 hours Passed USDA/NCB inspection: at N/A hours Commenced Discharging: at 0825 hours 11/13/93 Departed Anchorage: at N/A Completed Discharging: at 1545 hours 11/16/93 Berthed: HALL-BULK TERMINAL at 2215 hours 11/12/93 Saited: PORTLAND, OREGON at 1800 hours 11/16/93 PORTLAND, OREGON

Shifting Details:

	l	Hours	Worked	Hrs S	topped	1 1	Quantity	
Date	Day	From	To	From	To	[Gangs	Loaded	Remarks
	.	-¦	 		 	: 	M/T	
11/13/93	Saturday	0800	1700	1200	1300	į 1 į	1,150	0825 hours - First cargo ashore.
11/13/93	Saturday	1800	0300	2200	2300	1 1	1,505	
11/14/93	Sunday	0800	1700	1200	1300	1 1	1,545	
11/14/93	Sunday	1800	0300	2200	2300	1 1	1,100	İ
11/15/93	Monday	0800	1700	1200	1300	1 1	1,400	j
11/15/93	Monday	1800	0300	2200	2300	1 1	700	İ
11/16/93	Tuesday	0800	1700	1200	1300	1 1	600	1545 hours - Last cargo ashore.
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ARRIVAL CONDITIONS:

QTY'S RECEIVED:

DEPARTURE CONDITIONS:

FO/572.4MT

DO/104.6MT AFT/6.63M FW/69MT

FO/Nil FW/150 M/T DO/Nil

FO/572.4 M/T DO/98.1 M/T FW/166M/T

DRAFT FWD/2.16 M AFT/5.74 M

Remarks/ETA: AFTER DISCHARGE, VSL PROCEEDED TO ANCHORAGE TO CLEAN HOLD FOR V.117

PORTLAND, OREGON

DRAFT FWD/5.10M

November 16, 1993

Place and Date

Capt. Gang Ho Bin / Master, M/V "PAN HOPE"

STEAMSHIP CORP., LTD.

As Agents Only

DUSTRIES,

Koppers o Receivers

Cc. P. Thomas

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison

Report No.: Surveyor:

58750R

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Peter Brauns

Pan Hope

Voyage No.:

116

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY: Pencil Pitch Port of Portland

INITIAL SURVEY FINAL SURVEY DATE: 13-Nov-93 16-Nov-93 TIME: 7:30 17:00

DISPLACEMENT

Draft Forward: 17' 01.8" 7' 00.4" Draft Aft: 18' 10.8" 22'03.3" Midships-Port 19' 11.5" 13" 02" Midships-Starboard 19' 05" 12' 01" Mean of Means (Corrected) 19' 08.325" 12" 08.525" Corresponding Displacement: 16,196.05 L/T 10,087.28 L/T Trim Correction: -90.30 L/T -266.71 L/T Density Correction: 1.000 -392.85 L/T 1.000 -239.52 L/T Corrected Displacment: 15,712.90 L/T 9,581.05 L/T 15,965.06 M/T 9,734.81 M/T

DEDUCTIONS:

Fuel Oil: 578.00 M/T 575.00 101.00 Diesel Oil: 107.00 M/T Fresh Water: 57.00 M/T 166.00 Ballast Water: 1,313.10 M/T 2,987.40 Others: 3,829.40

TOTAL:

2,055.10 M/T

INITIAL DISPLACEMENT: FINAL DISPLACEMENT: TOTAL CARGO:

13,909.96 5,905.41 8,004.55 M/Tons: L/Tons: S/Tons:

8,004.55 7.878.12 8,823.50

Original Signed by Chief Officer

Chief Officer Pan Hope

Surveyor Peter Brauns

CC'. W. Tornen P. Thomas

ACC General Steamship Corporation and

5AN FRANCISCO, CA 94119 400 Celifornia Street (415) 772-9200

> MAILING ADDRESS: P.O. BOX 3460, S.F.

SEATTLE, WASH, 981-21 2101 Fourth Avenue (206) 382-4400 PORTLAND, ORE, 97204 421 S.W. Sixth Avenue (503) 228-7214 LOS ANGELES 90017 - 624 Sq. Grand Ava. (213) 688-1200

HARBOR OFFICE - SAN PEDRO 90731 (213) 832-0314 478 W, 7th Street

NOTICE OF READINESS

NOVEMBER 12 1993
Messis/ COPERS INDUSTRIES, INC. 7540 N.W. ST. HELENS ROAD PORTLAND, OREGON 97210
M/ V_PAN_HOPE_V/116
Gentlemen:
This is to notify you that the subject vessel arrived at the port of COLUMBIA RIVER DISTRICT
at 22/5 hours on
now in all respects ready to commence xooding/discharging her cargo in accordance with all
terms, conditions and exceptions of the relative charter party.
This notice is tendered at 2215 hours on NOVEMBER 12 19 93
. Very truly yours
FOR AND ON BEHALF OF MAY "PAN HOPE" GENERAL STEAMSHIP CORP., LTD., as agents for
PAN OCEAN SHIPPING CO., LTD. Accepted:
As of
ROPPERS INDUSTRIES, INC.
For Charlerers
By:

HORISM PASICE

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

11/23/93 fox 9:10

HALT TURNER, K-1600

Re: Hall-brok Bill for "PAN Hope"

The tappear worked 7 shifts!

4 shifts an O.T. Parc (SAT + SON)

9,525,64

2 " " S.J. " (mon. + Tues)

3,433.62

1 " " S.T. " (Aux. Night)

2,159,88

1/2 " " " (Tues . NI / 1)

1,079.94

The fow. Night is CALL out pay for No Work. You have to Advice them 24 has. UNAdvance of

planned work, if you gard that work you

have to pay them A 4 hr. cost out.

The Bill is connect forto pay.

AMOS S. KAMERER

001



HALL-BUCK MARINE, INC.

P. O. BOX 35 **BURNSIDE, LOUISIANA 70738**

TIN 72-1073113

INVOICE NO.

941130

DATE

11/18/93

Net 30 Days

Koppers Industries, Ind 1601 Koppers Building

Pittsburgh

15219 PΑ

PAGE #: 001

CUSTOMER NO REPERENCE

Attachment-If Applicable

083006

083006		-		
Description	U/M	Quantity	Unit Price	Sub-Total
and the second of the second o		also with the star on a contract	a to the error pays were many ages, while	
Portland Bulk Terminal				
Vessel Discharge To Trucks				
Commodity: Coal Tar Pitch				
M/V "Pan liope"				
Completed: 1545 Hrs 11/16/93				•
JOB#: 5057				
Discharge	Tons	8,000.00	16.7000	133,600,00
Additional Charges:		·		, , , , , , , , , , , , , , , , , , , ,
4 Man Gang Cover & Uncover Tks		$\overline{}$		
4 Shifts @ O/T Rate Per Shift	Each	4.00	2,381.4100	9,525.64
2 Day Shifts S/T Rate Per Sft	Each	2.00	1,716.8100	3,433.62
1 Night Shift S/T Rate Per Sft	Each	1.00	2,159.8800	2,159.88
1 Night Shift Call Back	Rate	1.00	1,079.9400	1,079.94
		/		•

Remit To: Hall-Buck Marine, Inc.

P. O. Box 54695

New Orleans, LA 70154

Sub-Total Non Taxable 149,799.08 .00

Total Due

149,799.08 ------

NOV 22 1993

Koppers009245

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison

Report No.:

58750R

Surveyor:

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463 Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Peter Brauns

Pan Hope

Voyage No.:

116

REQUEST OF: COMMODITY:

Koppers Company Inc.

LOCATION:

Berth 411

Port of Portland

Pencil Pitch

DATE: TIME:

INITIAL SURVEY FINAL SURVEY 13-Nov-93 16-Nov-93 7:30 17:00

DISPLACEMENT

Draft Forward: Draft Aft: Midships-Port

17' 01.8" 22' 03.3" 19' 11.5"

7' 00.4" 18' 10.8" 13" 02"

Midships-Starboard Mean of Means (Corrected)

19' 05" 19' 08.325" 16,196.05 L/T

12' 01" 12" 08.525" 10,087.28 L/T

Corresponding Displacement: Trim Correction:

-90.30 L/T -392.85 L/T -266.71 L/T

1.000 Density Correction: Corrected Displacment:

1.000 -239.52 L/T 15,712.90 L/T 9,581.05 L/T

15,965.06 M/T

9,734.81 M/T

DEDUCTIONS:

Fuel Oil: Diesel Oil: 578.00 M/T 107.00 M/T

575.00 101.00

Fresh Water: Ballast Water:

57.00 M/T 1,313.10 M/T

166.00 2,987.40

Others:

2,055.10 M/T

3,829.40

TOTAL: **INITIAL DISPLACEMENT:**

13,909.96 5,905.41

8,004.55

M/Tons: L/Tons:

S/Tons:

8,004.55 7,878.12 8,823.50

Original Signed by Chief Officer

FINAL DISPLACEMENT:

TOTAL CARGO:

Chief Officer

Pan Hope

Surveyor Peter Brauns

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns

Report No.:

58750R

Surveyor:

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Pan Hope

Voyage No.:

116

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY: Pencil Pitch Port of Portland

17:00

3,829.40

INITIAL SURVEY FINAL SURVEY DATE: 13-Nov-93 16-Nov-93 TIME: 7:30

DISPLACEMENT

Draft Forward: 17' 01.8" 7' 00.4" Draft Aft: 22' 03.3" 18' 10.8" 19' 11.5" Midships-Port 13" 02" Midships-Starboard 19' 05" 12' 01" Mean of Means (Corrected) 19' 08.325" 12" 08.525" Corresponding Displacement: 16,196.05 L/T 10,087.28 L/T **Trim Correction:** -90.30 L/T -266.71 L/T **Density Correction:** 1.000 -392.85 L/T 1.000 -239.52 L/T 9,581.05 L/T Corrected Displacment: 15,712.90 L/T 15,965.06 M/T 9,734.81 M/T

DEDUCTIONS:

TOTAL:

Fuel Oil: 578.00 M/T 575.00 Diesel Oil: 107.00 M/T 101.00 Fresh Water: 57.00 M/T 166.00 Ballast Water: 1,313.10 M/T 2,987.40 Others:

2,055.10 M/T

M/Tons: **INITIAL DISPLACEMENT:** 13,909.96 8,004.55 FINAL DISPLACEMENT: 5,905.41 L/Tons: 7,878.12 **TOTAL CARGO:** 8,004.55 S/Tons: 8,823.50

Original Signed by Chief Officer

Chief Officer Pan Hope

Surveyor Peter Brauns

RECEIVED NOV 22 1993

KOPPERS INDS. INC. PORTLAND, OR

FROM: Koppers INDUSTRIES INC. 7540 N.W. Saint Helens Road Portland, OR 97229

KORRAN

Specification:	,		108-	8-12	26 MIN	54 MIN	1.31MN	5.0 MAX	0.35 MAX	13.0 MIN	
Car No. or Truck	Batch No.	Date Shipped	S.P.	QI WE.X	TI			Y DIST.WT% TO 360		BETA RESINS	
PAN HOPE	93 45-1		109.2	10.4	28.7	54.7*	1.311	4,2*	,/3	18.3	
PAN HOAK	9345-2		108.9	10.7	29.1	54.8	1.309	3.9 *	,14	18.4	
PAN HOPE	93 45.3		109,3	10.7	29.0	54.5	1.313	4.24	.14	18.3	
										·	
								· · · · · · · · · · · · · · · · · · ·			
											
* INDICATE	S RETESTS				l						

cc: Plant

By: FED HARE	
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JULY 1993 SHIP SOCOFL STAR

NO. 752 1/3

MADE IN U.S.A.

⊗ ESZELTE

Oxford®

Reddale Wolf Formant

Koppers009251



INTEROFFICE CORRESPONDENCE

To:

Amos Kamerer

From:

John A. Oxford

Location: Portland Terminal

Location:

Portland Terminal

Subject:

Date:

August 2, 1993

^Unloading Chinese Ship

The following is a report of the unloading of Coal Tar Pitch from the Socofl Star. This vessel carried Chinese Pitch and arrived on berth 1800 hours on 7/19/93. We began discharging pitch into rail cars at 1925 hours 7/19/93 and we completed at 0230 hours 7/22/93. This ship was one of the best we have received for configuration purposes. The sides were straight, the holds were square with no ribs or tween decks. In all clean-up was very fast and orderly. The only problem incurred was the bulk head between hold # 1 and # 2 contained a fuel tank, this tank was heated during the voyage which caused the pitch on either side of the bulk head to melt and solidify. At the bottom of the bulk head it was approximately 18 to 24 " of melted pitch, at the top of the bulk head approximately 6 " of pitch was melted. Because of this problem Hall Buck rented a back-hoe with hammer attachment to break-up the pitch stuck to the bulk head. Their charge for this was \$ 406.05. (see copy of attached invoice). In turn this forced us to work a truck driver on overtime from 8 PM to 2:30 AM in order to bring this solidified pitch to the plant for further handling. The cost for this was Truck \$255.00, driver \$120.24 a total of \$375,24. We estimate that between 700 to 1000 short tons was brought to the plant from the port, this was accomplished in one shift, our best hauling time to date.

The pitch ranged from 2.0 % water to 0.3 % water. Per Paul Stadel's instructions, we made up 30 car composites and those samples were subjected to Dean Stark water analysis. The 1st composite was 1.2 water, the 2nd composite sample was 1.1 water and a 3rd of 20 cars was 0.9 % water. A total of 80 cars were shipped to Vanalco, and even with the water content reported, the material was very dusty, again causing Hall Buck to comment on the amount of fines in the pitch compared to the Japanese and Korean pitch they receive.

No problems to report also no incident was remarkable, the unloading was efficient and timely.

Regards,

John

P.S. Once weights are received from Vanalco for rail cars we can calculate the amount brought to the plant.

CC: Walt Turner CC: Larry Flaherty



-

INTEROFFICE CORRESPONDENCE

To: Amos Kamerer

From: John A. Oxford

Location: Portland Terminal

Location: Portland Terminal

Subject: Unloading Chinese Ship

Date: July 30, 1993

The following is a report of the unloading of Coal Tar Pitch from the Socofl Star. This vessel carried Chinese Pitch and arrived on berth 1800 hours on 7/19/93. We began discharging pitch into rail cars at 1925 hours 7/19/93 and we completed at 0230 hours This ship was one of the best we have received for 7/22/93. configuration purposes. The sides were straight, the holds were square with no ribs or tween decks. In all clean-up was very fast and orderly. The only problem incurred was the bulk head between hold # 1 and # 2 contained a fuel tank, this tank was heated during the voyage which caused the pitch on either side of the bulk head to melt and solidify. At the bottom of the bulk head it was approximately 18 to 24 " of melted pitch, at the top of the bulk head approximately 6 " of pitch was melted. Because of this problem Hall Buck rented a back-hoe with hammer attachment to break-up the pitch stuck to the bulk head. Their charge for this was \$406.05. (see copy of attached invoice) also the ship surveyor reported 5,818.33 short tons aboard). this forced us to work a truck driver on overtime from 8 pm to 2:30 am in order to bring this solidified pitch to the plant for further handling. The Cost for this was Truck \$255.00, driver \$120.24 a total of \$375.24. We estimate that between 700 to 1000 short tons was brought to the plant from the port, this was accomplished in one shift, our best hauling time to date.

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No problems to report also no incident was remarkable, the unloading was efficient and timely.

Regards,

John

P.S. Once weights are received from Vanalco for railcars we can calculate the amount brought to the plant.

CC: Walt Turner CC: Larry Flaherty

HALL-BUCK MARINE INC. PORTLAND BULK TERMINAL INVOICE INFORMATION

ROB GRAHAM TO: FROM: B. CLINEFELTER VESSEL DISCHARGE RE: CUSTOMER: **KOPPERS** COMMODITY: **COAL TAR PITCH** 07/2003 Commenced Descharge 19:25 - 7/19 VESSEL: SOCOFL STAR COMPLETED: 02:30 JOB NO. 5053 4,578.310 MT DISCHARGED TO RAILCAR: \$21.31 RATE: SUB-TOTAL: \$97,563.79 MT DISCHARGED TO TRUCKS: 700.000 \$15.82 RATE: \$11,074.00 SUB-TOTAL: RENTAL OF BACKHOE WITH HAMMER ARRANGEMENT TO BREAK SOLIDIFIED PITCH FROM THE MID-SHIP BULKHEAD = \$486.05 \$896.00 2 EXTRA MEN TO TARP TRUCKS @ \$448 PER SHIFT PER MAN = TOTAL DUE THIS INVOICE: \$110,019.84

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns RECEIVED

Report No.:

5752OR

Surveyor:

PM

207 NE 83rd Street

Vancouver, WA 98665 USA

JUL 27 1000

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

KOPPERS INDS., INC. PORTLAND. OR DRAFT DISPLACEMENT SURVEY

VESSEL:

Socofl Star

Voyage No.:

4

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY: Coal Tar Pitch

Port of Portland

	INITIAL SURVEY	FINAL SURVEY
DATE:	19-Jul-93	22-Jul-93
TIME:	18:30	6:30
DIGDY A CONTROL OF		
DISPLACEMENT		
Draft Forward:	5.5180	2.5870
Draft Aft:	5.9020	3.1140
Midships-Port	5.6800	2.6700
Midships-Starboard	5.7000	2.8500
Mean of Means (Corrected)	5.6950	2.7826
Corresponding Displacement:	8,841.87	4,027.06
Trim Correction:	14.80	-16.91
Density Correction:	1.000 -216.02	1.000 -97.81
Corrected Displacment:	8,640.65	3,912.34
DEDUCTIONS:		
Fuel Oil:	62.00	62.00
Diesel Oil:	60.00	57.00
Fresh Water:	120.00	112.00
Ballast Water:	199.00	760.00
Others:	15.00	15.00
TOTAL:	456.00	1,006.00
INITIAL DISPLACEMENT:	8,184.65	M/Tons: 5,278.31
FINAL DISPLACEMENT:	2,906.34	L/Tons: 5,194.94
TOTAL CARGO:	5,278.31	S/Tons: 5,818.33

Original Signed by Chief Officer

Chief Officer

Socofl Star

Surveyor

Captain Peter J. Morrison

08/18/93 - 13:31

2206 696 8641

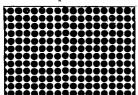
DATES Spotted GN 71999 8-10-93 8.12-93 60800 113900 8-10-73 8-12-95 61400 119900 8-10-93 8-12-93 CBND 85166 63100 119020 8-10-93 8-12-93 178960 61000 17760 8-12-93 8-10-93 45/182058 113960 62500 8-10-93 8-14-93 11 8-12-93 181620 118920 8-10-93 8-12-93 15 62700 191900 129200 8-12-93 8-13-93 124180 6W 71994 112 480 61700 8-12-93 8-11-93 SUR /82251 1872 40 124540 8-12-93 117920 61000 116 920 SUF 82367 . 2 8-12-93 8-13-93 178 500 61600 116900 BN 435425 18-12-93 8-12-93. BW 419377 186540 62100 124440 8-12-93 8-13-93 V15 BW 435033 61900 179920 118020 8-12-93 8-13-93 8 191920 63200 128720 GN 71526 8-11-93 8-13-95 61800 116 200 8-16-93 5417 823/3 178 500 8-17-93 63300 118980 8-16-93 GN 71564 8-17-93 61900 113760 8-16-43 NP 75345 8-17-93 1/20 60700 175300 114600 8-16-93 SUF 82234 8-17-93 63300 118360 8-16-93 GN 71538 181660 8-17.93 √ 22 61300 EAVE 82232 107040 18-16-93 8-17-93 60900 195800 134900 8-16-93 8-17-93 6N 71554 187480 69000 118480 8-16-93 8-17-93 GN 71548 62300 SLEF 182177 199980 137680 8-17-93 8.18-73 138 300 8-17-93 8-18-93 202000 63700 1619 500 313 0260 Totals 9760 30 3 1

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2/	1975320	175400	1	114200	8-2-93	8-3-93	8
3 /h	P75391	181940	4	121340	8-2-93	8-3-93	8
/	N71518	187880		125180	8-2-93	8-3-93	8
/	W 7/991	182100	61600	120500	8-2-93	8-3-93	8
	N 71998	177720	60200	/17520	8-2-93	8-3-23	
	BN 419375		62500	116260	8-2-83	8-3-93	3
and the second s	SF 82235		62100	121180	8-2-93	8-3-93	8
	f 75322	r	61500	119840	8-3-93	8-6-93	
	VP 75 331	180340		119640	8.3-93	8-6-93	
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12 6	Bal 85/8/	195 420	6 2800	132620	8-3-93	8-6-93	
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4	W 475013	1	1 _ 1	132220	8-3-93	8-6-93	
· 16√5/	SF 82301	183660	1 1	122060	8-3-93	8-6-93	
	F 182130			116660	8-6-93	8-9-93	
	F 182080			116480	8-6-93	8-9-93	
/	W 71529	1	/ ~	137540	8-6-93	8-9-93	
/	NO 85194		63000	117120	8-6-93	2-9-93	
	Byl 85178	198.480	62900	135780	8-6-93	8-9-93	1
	\$ 85120	T	63200	125040	8-6-93	8-9.93	
	V275337	183360	1 .	122 460	8-6-93	8-9-93	
	BN 412421		1	144700	8-6-93	8-9-93	
	JF 82284		1	121720	8-9-93	8-10-93	
	WF 82241	173240		111740	8-9-93	8-10-93	ĺ
27 /	VP 75301	183200	60400	122800	8-9-93	8-10-93	
28 1/	NP 75348	172880	61700	111180	8-9-93	8-10-93	
· 29 V	NP 75602	187080	62700	124380	8-9-93	8-10-93	
30 1	NP 75300	180540	61400	119140	8-9-93	8-10-93	
31 🇸	NP 75334	182340	60700	121640	8-9-93	8-10-93	
32 [~]	BN 435474		62200	115 480	8.9-93	8-10-93	_
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J/2		183340	61000	122340	7.26.93	7-27-9
\sqrt{s}	BN 435415		61900	119180	7-26-93	
	SASF 82017)	61500	122860	7.26.93	7-27-9
\sqrt{r}	5ASF 82316	184340	62000	122340	7-26-93	7-27-9
V/8	BN-438033	į ,	62800	139/60	72693	7-27-
/7	ON 71573	196 720	103600	133120	7-26-93	7-27-
√a,	ON 21551	195100	63100	132000	2 26-93	2-17-
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\sqrt{0}	NP75619		62300	135500	7.27.93	7-28-
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12	NP 75392	184040		123340	7-27-93	2.28.0
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4 در 🗸 💮	GN 7/578	197960	64200	133 760	7-27-93	7-28-
قام 🗸 .	BN 435027	186 120	61900	124320	7 28-93	7-30-
. 18	BN419388	186840	61900	124940	7.28.93	7-30-
$\sqrt{17}$	BN 419371	184540	62500	122 040	7-28-73	7-30-
	GN 71517	196780	63300	133 480	7-28-93	7-30-9
1,5	aN 71523	186600	63500	123100	7-28-93	7-30-9
$\int_{r^{20}}$	NP 75399	186460	61000	135460	7-28-93	7-30-9
1/21	CB=R 85140	195600	62200	133 400	7-28-93	7-30-9
V 22	5 KSF 182047	180300	62300	118 000	1-28-93	7-30-9
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STRAIGHT BILL OF LADING—

This Shipping Order

MN-3159511-01

must be legibly filled in, in Ink, in Indelible Pencil, or in Carban, and retained by the Agent.

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-	5000

SHIPPERS ORDER NO.

661-500132XX

CONSIGNEES ORDER NO.

AGENTS NO.

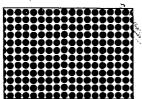
SHIPPERS NO.

KG 55573

22222222222222	NONE							
RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issues ROM KOPPERS INDUSTRIES, INC. AT PORT	1	7/20/9 still the fibre boxes and/or the fibre barrels, drums, pails or rubs and/or the paper bags cased for this Shipment conform to the specification set forth in the maker's certificate thereon (if any required) and all other requirements of the Uniform or National Motor scripts (Lertifications)						
ne property described below, in apparent good order, except as noted (contents and condition of contents of ored company being understood throughout this contract as meaning any person or corporation in possession of in its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It but to destination, and as to each party at any time interested in all or any of said property, that every servi- rinted or written, herein contained, including classification bills of lading conditions, which are hereby agreed to by t	the property under the contract) agrees to carry to its usual place of delivery at so is mutually agreed, as to each carrier of all or any of soid property over all or on ice to be performed hereunder shall be subject to all the conditions not prohibited	y portion of sold by law, whether the sold by law, whether the sold by law, whether the sold by law is sold by						
CONSIGNED TO VANALCO ALUMINUM CO		"If the Shipment moves between two ports by a corrier by water, the law requires that the bill of lading shall state whether it is carrier or shipper's weight.						
STREET ADDRESS CONSIGNMENT # 451		state whether it is carrier's or shipper's weight.						
DESTINATION VANCOUVER WA 98860		V SEE						
NAME OF CARRIER BN RR	CAR OR VEH. IN. &	NO. CAR OR VEH. SEAL NO.						
ROUTE BN RR		IF CHARGES ARE TO						
	TNR PITTSBURGH PA 15219	IF CHARGES ARE TO BE PREPAID, WRITE OR STAMP, HERE "TO BE PREPAID" PREPAID						
PACKAGES NO. AND KIND HM DOT SHIPPING NAME/HAZARD CLA		SPECIAL WEIGHT CLASS						
CORROSIVE SOLID, NOS/CORROSIVE A	MATERIAL/UN 1759/OIL CRUDE COAL TAR	0						
RQ HAZARDOUS SUBSTANCE, LIQUID,	NOS/ORM-E/NA 9188 (NAPHTHALENE)	2						
RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/O	RM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALI	NÉ 3						
NAPHTHALENE (LESS THAN 100# PACK	AGE)	4						
RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORA	A-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLI	ЛЮИ 🚯						
TAR OR PITCH, COAL OR PETROLEUM,	PAVING, ROOFING	6						
CRUDE COAL TAR		Ŏ						
OIL, CRUDE COAL TAR		3						
	UID/UN 1136/CRUDE HEAVY SOLVENT NAF							
10 HC BINDER, ELECTRODE	OID OIL TOO CRODE HEAVY SOLVEN HA	: 10						
_+V +13	NOS/ORM-E/NA 9188 (CREOSOTE)/CREOS							
COATING SOLUTION/FLAMMABLE LIQU		(D)						
ROOFING COATING ASPHALT, PITCH C		B						
	E LIQUID/NA 1133/ROOFING CEMENT, NO							
ROOFING CEMENT, NOI	LE LIGOLO/ NA 1133/ ROOTING CEMENT, NO	(b)						
FELT OR PAPER, BUILDING, ROOFING,	OD CHEATHING							
ROOFING, NOIBN, COMPOSITION OR	the state of the s	WORNES O						
	M-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANH							
	CLASS 8, CORROSIVE MATERIAL, UN2214	1						
	PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING							
PAINT, DRY, LUMP OR POWDERED XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX 7 7 123 193						
NP 75311.4.c. CB&O +#5	121 PM 475012 CR.O	85103/28960 26/20						
SLSF 82235 SLSF 82	301/2/00 BN 419561/2/6/0	3/1/0						
TO BE PAID BY CONSIGNEE	PLACARDED TENDERED OR	†FCT. WGT. FACTOR						
REMIT TO	RAIL PLAC	ARD-TRUCK (# / G)						
	TWEIGHED AT BY	Received						
subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the	GROSS RATED SHELL (GALS.) CAPACITY	to apply in prepayment of the charges on the property described hereon.						
consignee without recourse on the consignor, the consignor shall sign the following statement:	TARE SHELL							
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	OUTAGE ALLNCE. DOME	Agent or Čashier Per						
Signature KOPPERS INDUSTRIES, INC. of Consigner) See below	ALLNCE. + DOME INNAGE	(The signature here acknowledges only the						
Note: Where the rate is dependent on value, shippers are required to state specifically in writing		% amount prepaid.)						
he released or declared value of the property. The agreed or declared value of the property is hereby tated by the shipper to be not exceeding 170 cents per pound for each distribution package."	@ °F PERMANENT POST-OFFICE ADDRESS OF SHI 436 SEVENTH AVENUE - PITTSBURGH, PA.	CHARGES ADVANCED						
his is to certify that the above named materials are properly classified, described, packaged, marked and abeled and are in proper condition for transportation according to the applicable regulations of the Depart-	†Shipper hereby certifies that this shipment is correctly described; correct weigh	**						
nent of Transportigien. KOPPERS MOUS PRIES, INC., Shippor,	is shown and is subject to verification according to agreement with the Weighin and Inspection Bureau having jurisdiction.	Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.						
* Signature of Stypper's also intended as execution of Section 7.	PER							
Signature above must appear in langhand.	· "	SHIPPING ORDER						

KI-70 REV. 1 20M 1/90

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.



STRAIGHT BILL OF LADING SHORT FORM ORIGINAL—NOT NEGOTIABLE

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SHIPPERS ORDER NO.

SHIPPERS NO

AGENTS NO.

661-500132XX CONSIGNEES ORDER NO.

KG 55574

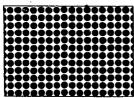
NONE RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, 07/20/93 DATE KOPPERS INDUSTRIES, INC. ΑT PORTLAND OR 97210 the property described below, in apparent good order, except as noted (contents and condition of contents of pockages unknown), marked, consigned and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery as said destination. If **CONSIGNED TO** VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT # 451 DESTINATION VANCOUVER WA 98860 CAR OR VEH IN & NO CAR OR VEH. SEAL NO. NAME OF CARRIER BN RR **ROUTE** BN RR CONSIGNEE'S NOTIFICATION ADDRESS KOPPERS PITTSBURGH PA PREPAID DOT SHIPPING NAME/HAZARD CLASS DESCRIPTION OF ARTICLES, SPECIAL **PACKAGES** WEIGHT OR (IF APPLICABLE) MARKS & EXCEPTIONS NO. AND KIND UBJECT TO CORRECTIO RATE CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR RO HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE 0 NAPHTHALENE (LESS THAN 100# PACKAGE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION 0 TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING 0 **CRUDE COAL TAR** 0 OIL, CRUDE COAL TAR 0 COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA 0 BINDER, ELECTRODE 0 9 HC RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL Ø COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ ROOFING COATING PITCH OR TAR BASE Ø ROOFING COATING ASPHALT, PITCH OR TAR BASE ® CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI Ø ROOFING CEMENT, NOI ø FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING O ROOFING, NOIBN, COMPOSITION OR PREPARED Ø RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE Ø RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214 Ø PHTHALIC ANHYDRIDE PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING **a** PAINT, DRY, LUMP OR POWDERED 435415 1918 OSLSE BN 38033 / "BN 419371" 82017 / යිබ හිරිර 75303 120340 BN np 71573 133/20SLSF GN 71551 13200 NP 75305 122340 GN tC.O.D. TO BE PAID BY PLACARDED TENDERED \$ CONSIGNEE REMIT TO PLACARD-TRUCK **†WEIGHED AT** GROSS Subject to Section 7 of Conditions of applicable bill of loding, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all SHELL rawful charges.
KOPPERS INDUSTRIES, INC. ALLNCE. DOME INNAGE (The signature here acknowledges only the See ★ below int prepaid.) NET WT. TOTAL "Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package." PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 436 SEVENTH AVENUE - PITT3BURGH, PA. 15219 †Shipper hereby certifies that this shipment is correctly described; correct weight is shown and is subject to verification according to agreement with the Weighing BN RR AGENT KOPPERSINDUSTRIES, INC.,-Shipper re of Shipper's agent new a nded as execution of Section 7.

> FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

ORIGINAL

Koppers009260



STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL—NOT NEGOTIABLE

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SHIPPERS ORDER NO

661-500132XX CONSIGNEES ORDER NO.

AGENTS	NO.

SHIPPERS NO.

PERS NO.

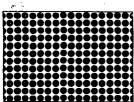
KG 55575

		0000			NONE				7	
		sifications and lawfully filed tariffs in effect	1		07/2	1/93	he fibre boxes of ums, pails or tubed ed for this Shipm- tions set forth is ereon (if any re- irements of the L	and/or the s and/or ent confor	e fibre bar the paper i	rels, bags erifi-
		NDUSTRIES, INC.		FLAND-OR 972.		cal the	tions set forth i	n the mal quired) ar	ker's certifi d all othe	cate r re-
ord company being und	lerstood th	pparent good order, except as naved (contents and c roughout this contract as meaning any person or carp te, atherwise to deliver to another carrier on the route	protion in cossession of	the property under the rostruct) agrees to	corne to its usual place of delivery	or solo desimanon, ir	H-IME SUBSTRUCT	15.		
vie io destinazion, and	at 10 eac	h party at any time interested in all or any at said pr including classification bills of lading conditions, which a	operty, that every service	e to be performed hereunder shall be su	biect to all the conditions not prohib	ited by law, whether bil	hipper's imprint in II of lading app immerce Commissi	lieu of sta proved by	mp not a po the Inters	art of state
ONSIGNED T		ANALCO ALUMINUM		a supply and accepted for these or one ha	usigm.					
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ESTINATION		ANCOUVER WA 9886								SEE
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OUTE		BN RR	-			IF.	CHARGES ARE	Ю		—
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		COATING SOLUTION/FLAM	Ō							
	ř.	ROOFING COATING ASPH	~ B							
		CEMENT, ROOFING LIQUID	NOI 🚺							
		ROOFING CEMENT, NOI				₿				
		FELT OR PAPER, BUILDING,	ROOFING,	OR SHEATHING		(<u> </u>		¥.	
		ROOFING, NOIBN, COMPO	SITION OR I	PREPARED		O				
		RQ HAZARDOUS SUBSTANCE, SO	LID, N.O.S./OR	M-E/NA 9188 (PHTHALIC A	NHYDRIDE)/PHTHALIC A	NHYDRIDE 13				
		RQ PHTHALIC ANHYDRIDE,	4 (9 2 0				<u> </u>			
										<u> </u>
		PAINT RELATED MATERIAL/FLAM	NG 20			<u> </u>	 			
		PAINT, DRY, LUMP OR POWDERED							Yail	1
		CB&Q 85140334	MD PN	435027/24220	CN 71001	i/	Vanv	$\boldsymbol{\psi}^*$	193	
		NP 75399254	ST.SF	182067 115 1200	GN /1331)	205001	Man.	()23	191	
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·C.O.D. \$	l	TO BE PAID BY	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	PLACARDED	TENDERED		tFCT.	wei	/ <i>0</i>	
		SHIPPER	CONSIGNEE		OR		FACT	OR		
EMIT TO				†WEIGHED AT		BY	Received	<u> </u>		
				GROSS	RATED SHELL (GALS.) CAPACITY		to apply the proper	in prepayme ty described h	nt of the cha	riges on
		s of applicable bill of loding, if this shipment is to consignar, the consignar shall sign the following st		TARE	SHELL					
he carrier shaft not ther lawful charges.	r make (delivery of this shipment without payment	of freight and all		OUTAGE		Per	Agent or	Cashier	
	PPERS I	NDUSTRIES, INC.		ALLNCE.	+ DOME INNAGE			sture here a	cknowledges	only the
		See * below Ident on value, shippers are required to state sp	ecifically in writing	NET WT.	TOTAL @ °F	% W	omount pre			
e released or declare	d value o	f the property. The agreed or declared value of the sceeding 1.70 cents per pound for each distribution	e property is hereby		· · · · · · · · · · · · · · · · · · ·		CHARGES	ADVANCED		
				PERMAN 436 SEVI	ENT POST-OFFICE ADDRESS OF ENTH AVENUE - PITTSBURGH, F	SHIPPER: PA. 15219	\$			
beled and are in prop	above n er conditio	amed materials are properly classified. described, p on for transportation according to the applicable regi	ackaged, marked and plations of the Depart-	†Shipper hereby certifies that this ship is shown and is subject to verification		ighing				
ent of Transportation. OPPERS INDUST	RIES, IN	IC., Shipper,		and Inspection Bureau having jurisdiction		В	N RR			AGENT
ER Me	uj	[[]		PER		PER				
* Signature of S	pper so	geo next above is also intended as execution of Se	ection 7.						·	_

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

ORIGINAL

KI-70 REV. 1 20M 1/90



STRAIGHT BILL OF LADING T SHORT FORM ORIGINAL—NOT NEGOTIABLE

Ö
SHIPPERS ORDER NO

661-500132XX

CONSIGNEES ORDER NO.

AGENTS NO.

SHIPPERS NO.

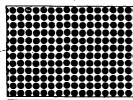
KG 55576

1000000							NONE				
•		sifications and lo NDUSTRIES, I	wfully filed tariffs in effect NC.	1 .	of this Bill of Lading, TLAND OR	972	07/21 LO DATE	/93 drug	e fibre boxes and/o ns, pails or tubs and if for this Shipment co ons set forth in the eon (if any required ements of the Uniforn the Classifications.	the fibre ba for the paper nform to the sp maker's certif	bags becifi- ficate
ord company being unde s its own road or its own	enstood the n water lin	roughout this contracte, otherwise to deliv	t as meaning any person or corp rer to another carrier on the rout	oration in possession of s to said destination, It	the property under the contr is mutually agreed, as to ea	act) agrees to ch carrier of i	nd destined as indicated below, which sold corry to its usual place of delivery at said all or any of sold property over all or any ;	company (the guir freignertien of said	ements of the Uniform the Classifications.	n or National I	Motor
oute to destination, and rinted or written, herein co	as to each ontained, i	n party at any time natuding classification	interested in all or any of said po s bills of bading conditions, which a	operty, that every servi e hereby agreed to by t	ce to be performed hereund he shipper and accepted for h	er shall be su imself and his	bject to all the conditions not prohibited by assigns.	law, whether	ipper's imprint in lieu o of lading approved imerce Commission.	by the Inter	state
ONSIGNED TO			ALUMINUM		•						
TREET ADDRES		CONSIGN	MENT # 45	1				by w	ne Shipment moves between rater, the law requires that whether it is carrier's or shi	t the bill of lading	g shall
ESTINATION			VER WA 988								SEE
NAME OF			·				CAR OR VEH. IN. & NO	D. CAR	OR VEH. SEAL NO.		
CARRIER	E	BN RR									
OUTE	E	N RR			<u> </u>			· IF C	HARGES ARE TO		
ONSIGNEE'S	NOTIF	ICATION A	DORESS KOPPE	RS PITT	SBURGH PA	A A		O R	CHARGES ARE TO PREPAID, WRITE STAMP HERE DE PREPAID"	PREPA	AID
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			RDOUS SUBSTAN	7.00				Õ			†
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			ITCH, COAL OR P					6			+
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		FELT OR F	PAPER, BUILDING,	ROOFING,	OR SHEATHING			Œ			\top
		ROOFING	, NOIBN, COMPC	SITION OR	PREPARED			Ū			_
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			 				MATERIAL, UN2214	<u> </u>			
			ANHYDRIDE	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			<u> </u>			1
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		PAINT, DI	RY, LUMP OR POY	/DERED		/	7	Ø		Vana	
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·C.O.D. \$			TO BE PAID BY	<u> </u>	PLACARDED		TENDERED		tFCT, WGT.	<i>V</i>	٠.
			SHIPPER	CONSIGNEE			OR		FACTOR (# / G)		
EMIT TO					†WEIGHED AT		BY	D-TRUCK	Received		
							RATED		— ;		
					GROSS		SHELL (GALS.) CAPACITY		to apply in prep the property descri	payment of the ch ibed hereon.	arges on
onsignee without recour	rse on the	consignar, the cons	of lading, if this shipment is to lignor shall sign the following sto	stement:	TARE		SHELL				
ther lawful charges.			hipment without payment	of freight and all	ALLNICE		OUTAGE		Per	ent or Cashier	
	PPERS II	NDUSTRIES, IN See ★ b			ALLNCE.		+ DOME INNAGE			ere acknowledges	only the
			ippers are required to state sp	ecifically in writing	NET WT.	-	TOTAL %		amount prepaid.)		
e released or declared	d value o	f the property. The	agreed or declared value of the per pound for each distribution	e property is hereby		PERMAN	ENT POST-OFFICE ADDRESS OF SHIP		CHARGES ADVAN	CED	
ula la dan amariki ak-a si				-44 - 1 1 1		436 SEVE	NTH AVENUE - PITTSBURGH, PA. 15	219	\$		
his is to certify that the ibeled and are in prope ent of Transportation,	er conditio	n for transportation	properly classified, described, p according to the applicable reg-	ulations of the Depart	is shown and is subject to	verification o	ment is correctly described; correct weight according to agreement with the Weighing		\ D	•	105:
OPPERS INDUSTR	RIES, IN	C.,-Shipper,			and Inspection Bureau havi	ng jurisdiction.		BN R	.K		AGENT
ER	14	flet		· _ · · · · · · · · · · · · · · · · · ·	PER			PER			
		gent rext above is opear in longhand.	also intended as execution of Se	ection 7.			•				

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

ORIGINAL

KI-70 REV. 1 20M 1/90



STRAIGHT BILL OF LARING SHORT FORM ORIGINAL-NOT NEGOTIABLE

O
SHIPPERS ORDER NO

661-500132XX

SHIPPERS NO

AGENTS NO.

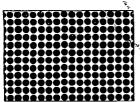
KG 55577

CONSIGNEES ORDER NO. NONE RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, 07/21/93 FROM KOPPERS INDUSTRIES, INC. ΑT PORTLAND OR 97210 the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party or any time interested in all or any of said property, that every service to be performed herounder to all the conditions not prohibited by law, whether printed or written, herein contained, including classification bills of lading conditions, which are hereby agreed to by the shipper and accepted for himself and his ossigns. VANALCO ALUMINUM CO **CONSIGNED TO** STREET ADDRESS CONSIGNMENT # 451 VANCOUVER WA 98860 DESTINATION CAR OR VEH. IN. & NO. CAR OR VEH. SEAL NO NAME OF **CARRIER** BN RR ROUTE BN RR CONSIGNEE'S NOTIFICATION ADDRESS PREPAID DOT SHIPPING NAME/HAZARD CLASS DESCRIPTION OF ARTICLES. SPECIAL CLASS **PACKAGES** WEIGHT OR (IF APPLICABLE) MARKS & EXCEPTIONS NO. AND KIND BLECT TO CORRECTION CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR Ĭ., RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE 0 NAPHTHALENE (LESS THAN 100# PACKAGE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION 0 TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING 0 CRUDE COAL TAR Ø OIL, CRUDE COAL TAR 0 COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA 0 **BINDER, ELECTRODE** 0 9 HC RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL **O** COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ RODFING COATING, ASPHALT, Ø ROOFING COATING ASPHALT, PITCH OR TAR BASE Ø CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI ROOFING CEMENT, NOI FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING **®** ROOFING, NOIBN, COMPOSITION OR PREPARED RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214 ❿ PHTHALIC ANHYDRIDE 0 PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING PAINT, DRY, LUMP OR POWDERED SLSF 182008 2016 NP 75337 122,468 75322/19,840NP 85120 125040 71578 13376CB&O GN 71536135120 CB&O 85178 135,780 GN 419421 /144,700 NP 75619135500BN PLACARDED TENDERED TO BE PAID BY †C.O.D. \$ †FCT. WGT. CONSIGNEE FACTOR REMIT TO PLACARD-TRUCK (# / G) TWEIGHED AT RATED GROSS (GALS.) to apply in prepayment of the charges on the property described hereon. Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consigner, the consigner shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

KOPPERS INDUSTRIES, INC. TARE SHELL OUTAGE Agent or Cashier ALLNCE. DOME of Consignor) per — See ★ below amount prepaid.) TOTAL NFT WT "Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package." CHARGES ADVANCED PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 436 SEVENTH AVENUE - PITTSBURGH, PA. 15219 This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Depart-†Shipper hereby certifies that this ship BN RR KOPPERS INCOMINES, INC., Shipper AGENT ture of Shipper's agent lext above is also intended as execution of Section 7. Ture above must appear in longhand.

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT. ORIGINAL



STRAIGHT BILL OF LAMING SHOPE FORM 6 SHIPPERS ORDER NO. ORIGINAL—NOT NEGOTIABLE 661-50

0	

AGENTS NO.

SHIPPERS NO.

661-500132

CONSIGNEES ORDER NO.

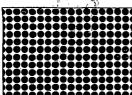
KG 55578

10000000000000		NONE			
ECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of i		107/21/93	†The fibra	e baxes and/or the fibrails or tubs and/or the pents shipment conform to the forth in the maker's of any required) and all sof the Uniform or Natio	e barrels, aper bags
ROM KOPPERS INDUSTRIES, INC. AT POI	RTLAND OR 97210	DATE	cations se	of forth in the maker's	certificate
e property described below, in apparent good order, except as nated (contents and condition of contents and comments and comments and comments are commented company being understood throughout this contract as meaning any person or corporation in possession	n of the property under the contract) agrees to carry to	its usual place of delivery at said destination,			
its own road or its own water line, atherwise to deliver to another carrier on the route to said destination ute to destination, and as to each party at any time interested in all or any of said property, that every s	service to be performed hereunder shall be subject to a		id †Shipper's	s imprint in lieu of stamp no ding approved by the l Commission.	t a part of
inted or written, herein contained, including classification bills of lading conditions, which are hereby agreed to	by the shipper and accepted for himself and his assigns.				
ONSIGNED TO VANALCO ALUMINUM CO			by water, th	ment moves between two ports ne law requires that the bill of er it is carrier s or shipper's weigh	by a carrier lading shall ht
TREET ADDRESS CONSIGNMENT # 451			state whether	at It is fattlet t or surbbet i weigt	SEE
ESTINATION VANC OUVER WA 98860					ر ت
IAME OF	•	CAR OR VEH. IN. & NO.	CAR OR VE	EH. SEAL NO.	
ARRIER BN RR					
OUTE BN RR			BE PREP	GES ARE TO AID, WRITE	
ONSIGNEE'S NOTIFICATION ADDRESS KOPPERS PI	TTSBURGH PA 15219			PREPAID PREP	
PACKAGES HM DOT SHIPPING NAME/HAZARD C	,	OF ARTICLES, SPECIAL	- v	WEIGHT CLAS	
NO. AND KIND		S & EXCEPTIONS	(SUBJEC	CT TO CORRECTION RATE	
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RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/	ORM-E/NA 9188 (NAPHTHALENE)	CRUDE NAPHTHALENE	0		
NAPHTHALENE (LESS THAN 100# PAGE	CKAGE)		4		
RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/C	DRM-E/NA 9188 (CREOSOTE)/CREOS	OTE COAL TAR SOLUTION	6	,	
TAR OR PITCH, COAL OR PETROLEUM	A, PAVING, ROOFING		6		
CRUDE COAL TAR			Õ		
OIL, CRUDE COAL TAR			Ö		
COAL TAR DISTILLATE/FLAMMABLE LI	QUID/UN 1136/CRUDE HEA	Y SOLVENT NAPHTHA	Ŏ		
9 HC BINDER, ELECTRODE			O		
RQ HAZARDOUS SUBSTANCE, LIQUID	D. NOS/ORM-E/NA 9188 (CR	EOSOTE)/CREOSOTE O			
COATING SOLUTION/FLAMMABLE LIG			Õ		
ROOFING COATING ASPHALT, PITCH			®		
CEMENT, ROOFING LIQUID/FLAMMA		NG CEMENT, NOI	Ø		
ROOFING CEMENT, NOI			©		
FELT OR PAPER, BUILDING, ROOFING	OR SHEATHING		0		
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RQ PHTHALIC ANHYDRIDE, SOLID, IM			Ö		
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BN 435033 ₁₈₀₂ SLSF				かいしつつ	'
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C.O.D. \$ TO BE PAID BY CONSIGNED	PLACARDED E	OR .		†FCT. WGT. FACTOR	
EMIT TO .	RAIL +WEIGHED AT	PLACARO-TRUCK		(# / G)	
•	TWEIGHED AT	ВУ	,	Received	
	GROSS RATE			\$	the charges
bject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to t	the CAPAI	CITY		the property described hereon.	•
nsignee without recourse on the consignor, the consignor shall sign the fallowing statement: ne carrier shall not make delivery of this shipment without payment of freight and i	TARE S	HELL ITAGE		Agent or Cashie	
her lawful charges. Signature KOPPERS INDUSTRIES, INC.	ALLNCE. + D	OME		Per	
of Consignor) per — See ★ below	IN	NAGE		(The signature here acknowle amount prepaid.)	edges only t
late: Where the rate is dependent on value, shippers are required to state specifically in writing		% % W		CHARGES ADVANCED	
e released or declared value of the property. The agreed or declared value of the property is here ated by the shipper to be not exceeding 170 cents per pound for each distribution package."	PERMANENT POS	T-OFFICE ADDRESS OF SHIPPER:		- STATE OF THE PARTY OF THE PAR	
is is to certify that the above named materials are properly classified, described, packaged, marked a	436 SEVENTH A	'ENUE - PITTSBURGH, PA. 15219		<u> \$</u>	
belied and are in proper condition for transportation according to the applicable regulations of the Depo ent of Tr <u>ans</u> portation.	is shown and is subject to verification occurding		BN RR		
OPPERS TRIBUSTRIES, INC., Shipper,	and Inspection Bureau having jurisdiction.				AGEN
ER ///ally ///ll	PER	PER			
* Signature of Shipper Lager next above is also intended as execution of Section 7.	-			•	
Signature above must appear in longhand.					

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

ORIGINAL

KI-70 REV. 1 20M 1/90



STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL—NOT NEGOTIABLE 1707

IPPERS ORDER NO.

HIPPERS ORDER NO.

661-500132XX

SHIPPERS NO.

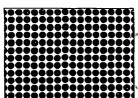
AGENTS NO.

KG 55579

			أستحر		CONS	IGNEES ORDER NO.	•	110	2021	J	
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_ *		ssifications and lawfully filed tariffs in effect INDUSTRIES, INC.	1	of this Bill of Lading, ORTLAND OR	97210	07/22/ DATE	93 the farms, used for cations	ibre baxes and/o pails or tubs and or this Shipment co set forth in the (if any required ents of the Unifor Classifications.	r the fibre bar for the paper to nform to the spe maker's certifi	rels, bags ecifi- icate	
e property described ord company being un	below, in a derstood th	pparent good order, except as noted (contents and coroughout this cantract as meaning any person or corp	ondition of contents of pration in possession of	packages unknown), marked, consignitie property under the contract) part	ediand destined as in	dicated below, which said o	ompany (the quirem	i (it any required ents of the Unifors Classifications) and all other m or National M	re- Aotor	
n its own road or its o oute to destination, an	wn waterli dasto eac	ne, otherwise to deliver to another carrier on the route th party at any time interested in all or-any of said pr	to said destination. It operty, that every servi	is mutually agreed, as to each carrie ice to be performed hereunder shall l	r of all or any of said be subject to all the c	property over all or any pa	rtion of said †Shipp	er's imprint in lieu o lading approved arce Commission.	of stamp not a pa	art of	
rinted or written, herein	contained,	including classification bills of lading conditions, which ar	e hereby agreed to by t	he shipper and accepted for himself ar	nd his assigns.						
CONSIGNED .		VANALCO ALUMINUM		·			*If the S by water	hipment moves between, the law requires that either it is carrier's or sh	en two perts by a co at the bill of lading	shall	
TREET ADDR		CONSIGNMENT # 45		1	<u> </u>		stole wh	arner ir is corrier s or sh	ipper s weight.	SEE	
DESTINATION		VANCOUVER WA 988	50	·	***						
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CARRIER		ENXRER BN RR		 			- Wardin				
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PACKAGES NO. AND KIND	нм	DOT SHIPPING NAME/		455 DESC		F ARTICLES, SP EXCEPTIONS		WEIGHT	CLASS OR	1	
INO. AND MIND	 			/ / / / / / 1750				BJECT TO CORRECTION	RATE	 	
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·							0			 	
	 	RQ HAZARDOUS SUBSTANCE, UNAPHTHALENE (LESS THAN			HALENE)/ CRU	DE NAPHINALEN					
		RQ HAZARDOUS SUBSTANCE, LIC			E\/CDEOSOTE	COAL TAR SOUTH	0N 5			 	
···	 	TAR OR PITCH, COAL OR PI		`		COAL TAK SOLUTI	6		<u> </u>	 	
	-	CRUDE COAL TAR	I KOLEUM,	PAVING, ROOFING			- ŏ			+-	
	+ -	OIL, CRUDE COAL TAR					ő			+-	
	+	COAL TAR DISTILLATE/FLAM	AMARIE IIO	UID/UN 1136/CPUI	DE HEAVY S	OLVENT NAPH				\vdash	
6 110	┼──	BINDER, ELECTRODE	MADLE EIG	01D/ 014 1130/ CROL	DE MEAVES	OLVENT NATH	0			 	
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	†—	PAINT, DRY, LUMP OR POW					<u> </u>	- NO	F PW.	+	
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C.O.D. \$		TO BE PAID BY	CONSIGNEE	PŁACARDED		DERED		†FCT, WGT.			
REMIT TO		SHIPPER	CONSIGNEE	RAIL	OR	PLACARD	-TRUCK	FACTOR (# / G)			
				†WEIGHED AT		BY		Received			
				GROSS	RATED			⊣ ,			
All a Call V		ns of applicable bill of lading, if this shipment is to	1 15 14 4		SHELL CAPACITY	(GALS.)		to apply in prep the property descri	sayment of the cha ibed hereon.	arges on	
onsignee without reco	urse on the	consignor, the consignor shall sign the following sto	tement:	TARE	- SHELL OUTAGE			7			
ther lawful charges.		delivery of this shipment without payment	or treight and all	ALLNCE.	DOME			Per ^9	ent or Cashier		
	rreks i	NDUSTRIES, INC. See ★ below		7,22,702,	+ INNAGE			(The signature here acknowledges only th			
		ndent on value, shippers are required to state sp		NET WT.	TOTAL @	% °F W		amount prepaid.)			
		of the property. The agreed or declared value of th exceeding 170 cents per pound for each distribution		DESA	AANENT BOST OFF	CE ADDRESS OF SHIPPE		CHARGES ADVAN	CED		
his is to so with the co		amed materials are properly classified, described, po		436	SEVENTH AVENUE	- PITTSBURGH, PA. 152	îÿ	s			
his is to certify that the abeled and are in pro- nent of Transportation.	per condition	camed materials are properly classified, described, po on for transportation according to the applicable regu	lations of the Depart-	†Shipper hereby certifies that this is shown and is subject to verificat	tion according to agre		BN	٠.			
OPPERS INDICE	IPHS, IN	VC.,-Shipper		and Inspection Bureau having jurisdi	iction.				^	AGENT	
ER//	M	1-//est		PER			PER				
		agent next above is also intended as execution of Se ppear in longhand.	ction 7.	•							

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

ORIGINAL



STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL—NOT NEGOTIABLE 08

O	

SHIPPERS ORDER NO.

661-500132XX CONSIGNEES ORDER NO.

AGENTS NO.

SHIPPERS NO.

KG 55580

NONE RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, 07/22/93 FROM KOPPERS INDUSTRIES, INC. AT PORTLAND OR 97210 DATE **CONSIGNED TO** VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT # 451 DESTINATION VANCOUVER WA 98860 CAR OR VEH. IN. & NO. CAR OR VEH. SEAL NO. NAME OF **CARRIER** BN RR **ROUTE** BN RR CONSIGNEE'S NOTIFICATION ADDRESS ION ADDRESS KOPPERS, PITTSBURGH PA 15219

DOT SHIPPING NAME/HAZARD CLASS DESCRIPTION OF ARTICLES, SPECIAL PRERAID **PACKAGES** WEIGHT (IF APPLICABLE) MARKS & EXCEPTIONS NO. AND KIND JBJECT TO CORRECTIO CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) Ø RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE 0 NAPHTHALENE (LESS THAN 100# PACKAGE) 0 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING 0 Õ CRUDE COAL TAR OIL, CRUDE COAL TAR 0 COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA 0 BINDER, ELECTRODE 0 6 HC RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ ROOFING COATING, ASPHAL Ø ROOFING COATING ASPHALT, PITCH OR TAR BASE CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI Ø ø ROOFING CEMENT, NOI FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING ø ROOFING, NOIBN, COMPOSITION OR PREPARED Ø RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE 0 RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214 ❿ PHTHALIC ANHYDRIDE 0 PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING 0 PAINT, DRY, LUMP OR POWDERED 75602 /24 380 435874 115080 BN NP 75348 1/1 /80 75334 /21640 NP NP 75300/19140 82241 111740 NP SLSF TENDERED TO BE PAID BY PLACARDED †FCT, WGT. †C.O.D. \$ OR **FACTOR** PEMIT TO (# / G) PLACARD-TRUCK TWEIGHED AT RATED SHELL CAPACITY GROSS (GALS.) to apply in prepayment of the charges on the property described hereon. Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consigner without recourse on the consigner, the consigner shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other bawful charges. SHELL Agent or Cashier KOPPERS INDUSTRIES, INC. ALLNCE. DOME INNAGE (The signature here acknowledges only the See ★ below unt prepaid.) NET WT. TOTAL "Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package." CHARGES ADVANCED PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 436 SEVENTH AVENUE - PITTSBURGH, PA. 15219 This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department BN RR KOPPERS INDUSTRIES INC.,-Shipper, AGENT PER ided as execution of Section 7

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

ORIGINAL





SHIPPERS NO.

* Signature of Shipper's agent next above is also intended as execution of Section 7.
Signature above must appear in longhand.

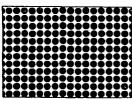
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n its own road or its own oute to destination, and	n water line, otherwise to as to each party at any antained, including classif	deliver to time intere	another co sted in all	errier on the ro or any of said	ute to said desti property, that e	ination. It i every service	is mutually agreed, a se to be performed	as to each carrier o hereunder shall be	fall or any of s subject to all th	aid prope	rty over all or any	portion of said	†Ship bill o Comm	per's imprint in fie f lading approv erce Commission.	u of stamp ed by th	p not a pa ne Inters	rt of tate
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DESTINATION					VER V									·) EE
NAME OF CARRIER			BI	N RR						CAR	OR VEH. IN. & N	O .	CARC	R VEH. SEAL NO.			
ROUTE				N RR									IF CH	ARGES ARE TO			
CONSIGNEE'S	NOTIFICATION	ADDF			PERS	PIT	TSBUR	GH PA	15219	•			OR WTO	ARGES ARE TO REPAID, WRITE TAMP HERE BE-PREPAID"	PR	EPA	TD
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FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

CONSIGNEE'S COPY NOTICE OF SHIPMENT AND MEMO COPY OF BILL OF LADING



STRAIGHT BILL OF LADING SHORT FORM ORIGINAL—NOT NEGOTIABLE

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SHIPPERS ORDER NO.

661-500132XX

CONSIGNEES ORDER NO.

AGENTS NO.

SHIPPERS NO.

KG 55582

*******			NONE					
	he classifications and lawfully filed tariffs in effect on the date of issu PERS INDUSTRIES, INC. AT POR	e of this Bill of Loding, TLAND OR 9721	, 07/22/	193 The filt drums, used for cations	ore boxes and/o oails or tubs and this Shipment co set forth in the (if any required nts of the Unifor	r the fibre bar for the paper b nform to the spe maker's certifi	rels, pags ecifi- icate .	
ard company being under to its own road ar its own rute to destination, and a	ow, in apparent good order, except as noted (contents and condition of contents of ritood throughout this contract as meaning any person or corporation in passession of water line, otherwise to deliver to onother carrier on the route to said destination. It is to each party at any time interested in all or any of said property, that every servi- ntained, including classification bills of lading conditions, which are hereby agreed to by t	the property under the contract) agrees to c is mutually agreed, as to each carrier of all ce to be performed hereunder shall be subje	arry to its usual place of delivery at said d or any of said property over all or any po ect to all the conditions not prohibited by h	rtion of said ow, whether bill of Commer	r's imprint in lieu o lading approved ce Commission.	of stamp not a pa I by the Inters	ort of tate	
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his is to certify that the ibeled and are in proper ent of Transportation.	above named materials are properly classified, described, packaged, marked and condition for transportation according to the applicable regulations of the Depart-	†Shipper hereby certifies that this shipme is show: and is subject to verification acc		BN RR				
	IES, INC.,-Shipper	and Inspection Bureau having jurisdiction.					GENT	
ER	uj / juaj	PER		PER				
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FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

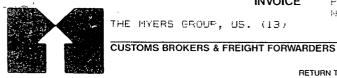
ORIGINAL

INVOICE

h w fireha a co me PO BOX 19348

NEWARK, NJ:07195-0348

REMIT TO MYERS



THE MYERS GROUP, US. (13)

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51049

POPPERS INDUSTRIES INC TRAFFIC & TRANSPORT

PITTSBURGH PA 15219

RETURN TOP PORTION OF THIS SLIP WITH PAYMENT JUL 20 93 PDX300305500

1577,00

CUSTOMER NO. 436 SEVENTH AVE INVOICE DYLE !! ! TAEMED !! TAEMED !! TAEMED! !! INVOICE DYLE

LOCATION

TERMS: REMITTANCE DUE UPON PRESENTATION (SEE BELOW)*

We act as your agents for Customs purposes only, pursuant to the Rules & Regulations of the U.S. Treasury Department, U.S. Customs Service. In all other respects, we act as independent contractors in accordance with the Terms & Conditions set forth on the reverse side of this invoice, subject to 19 CFR Part 11.1.44.

ACCORDING OF THE SERVICE (NATIONAL CUSTOMS BROKERS & FORWARDERS AFOLD CONDITIONS OF SERVICE (NATIONAL CUSTOMS BROKERS & FORWARDERS AFOLD CONDITIONS OF SERVICE (NATIONAL CUSTOMS BROKERS & FORWARDERS Unless the Customer advises the Company in writing to the contrary, the Company contract of the Customs and the Customs and the Customs are filled with Customs.

SHOPERAN IRON &	STEEL COMPLEX	ARRIVAL DATE 9/9	SHIPPER REF. NO.	CARRIER NYK LINE	ENTRY NO.	
CONSIGNEES INDUS	TRIES INC	RELEASE/SHIPMENT DATE 7/01/9	CONSIGNEE REF. NO.	CARRIER REF. NO.	MICRO NO.	
BYENDY AMB No.	131 06256681	DUTY PRINTERT NOTICE's you use the imposter of record, payment to the broker will not releave you of liability for Considere charges doubte, leafs or other wood Constraint in the event for charges are not paid by the broker. Evention, I you pry by check, Colorism charges may be paid within a separate loop, to the "U.S. Custome Service" which shall be deherred to Custome by the broker. CR. 111.29(B)(1). To evertise this option, check must accompany (release) documents or contact Myars and the Louisness like arrangement can be must exprended and the part of the contact of				
			DESCRIPTION		CHARGES	

PROCESSING CUSTOMS ENTRY

021 MERCHANDISE PROCESSING FEE

PORT USAGE FEE (HMF) 031

CHARGES 125.00

400.00

1052.00

PLEASE NOTE OUR NEW "REMIT TO" ADDRESS WHICH IS EFFECTIVE IMMEDIATELY. PLEASE CHANGE YOUR RECORDS ACCORDINGLY.

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-	RECEIVED ON ACCOUNT	\triangleright	
	PAY IN U.S. FUNDS		1577.00

* THIS CONSTITUTES NOTICE UNDER TRUTH IN LENDING ACT THAT ANY ACCOUNTS REMAINING UNPAID AFTER 10 DAYS ARE SUBJECT TO 11/% PER MONTH INTEREST AND COLLECTION COSTS INCLUDING ATTORNEY FEES.

PLEASE REFER OPERATIONAL AND TECHNICAL INQUIRIES REGARDING THIS SHIPMENT TO: 5032537581

PLEASE REFER INQUIRIES REGARDING PAY-MENT AND STATUS OF YOUR ACCOUNT TO: MYERS MYERS BUILDING ROUSES POINT, NY 12979 518-297-2222

ORIGINAL

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9. Ultir	mate Consignee Name and Addres	s	10. Consignee No.	1 Importer of Record Nam	ee and Address	(12) Importer No.	 ३०
•			Will the	unperca i	NDUSTRIES. [M	ķ	
				TRAFFIC.8	TRANSPORT		
			,	13) Exporting Country		14. Export Date	
		/		(5) Country of Origin		16. Missing Documents	s
			STATE :	CM CM		(18) I.T. Date	
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	- or AWB No. N: N:PIGUS93,1	<i>t</i>	20. Mode of Transportation	21. Manufacturer I.D. CNANS IROS	22AN5	22. Reference No.	
23. lm;	porting Carrier		24. Foreign Port of Lading	25. Location of Goods/G.0). No.		
	COFL STAR		57651	YOUR TERM	INAL - GENER	41_	
26. U.S پ	6. Port of Unlading (구속		27 Import Date	V/F/T # 0	1 .		
	(Description of Merchandis	ie .	33. (A) Entered Value	34. (A) T.S.U.S.A. Rate	(35) Duty and I.R.	. Tax
(28) Line No	O. 30. (A) T.S.U.S.A. No. B. ADA CVD Case No.	31. (A) Gross Weight B. Manifest Oty.	(32) Net Quantity in T.S.U.S.A. Units	B. CHGS C. Relationship	B. ADA/CVD Rate C. I.R.C Rate D. Visa No.	Dollars	Cents
		TM VASC	INVOICE I	MOT RELATED			
001	PITCH, ORTH F		OR OMT	en. 1 5			
	2708.10.0000	i	5250000 FG	841500 0246168	FREE		
	HERCHANDISE	PROCESSING	FEE 19560.00 USD		-19%	1599	
	NDC/DED MM ADJ VALUE	N 84	1960.00 1500.00		,		
	HD3 VMLUE		1.4. CDN-151 & TOTSZ was now your ann your rest rest rest rest may be an entre rest				
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• , •	· · · · · · · · · · · · · · · · · · ·	The same of the sa	man see also given the second of some		* * * *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1: 4.
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•,			\				
						ļ	
	BLOCK 35 SUN	MARY:					
·	MEE	489 501	400.00				
	TOTAL:		1.452.66				
60 (TOTAL FINTERS Declaration of Importer of Record (Owner or Purchaser) or Auth	prized Agent	BATAGO US CI	JSTOMS USE L	TOTALS .	
	are that I am the			A. Liq. Code	B. Ascertained Duty	(37.) Duty	T
	importer of record and that the owner, purchaser, or consignee for purposes is as shown above.	customs OR wowner of agent the	or purchaser or nereof.			,,	110
l furth	was obtained pursuant to a purc agreement to purchase and that the	e prices OD agreem	obtained pursuant to a purchase of ent to purchase and the statements	: •	C. Ascertained Tax	(38) Tax	
	set forth in the invoice are true.	to the b	nvoice as to value or price are true test of my knowledge and belief.		D. Ascertained Other	39. Other	+-
and b	elief the true prices, values, quan	tities, rebates, drawbacks, fe	sclose to the best of my knowledge es, commissions, and royalties and eller of the merchandise either free	! <u>\$</u>		1452	1.
or at	ue and correct, and that all goods reduced cost are fully disclosed. In nation showing a different state of the state of t	I will immediately furnish to t	eller of the merchandise either free he appropriate customs officer any		E. Ascertained Total	40) Total 1,458	. ju
ters/e	exporters are complying with U.S. C	customs laws, to allow us to co	on is needed to ensure that impor- ompute and collect the right amoun	(41.) Signature of Declaran	t, Title, and Date	7/19/93	
of mor Your r	ney, to enforce other agency requiresponse is mandatory.	rements, and to collect accura	te statistical information on imports	ENTH C 0.21		ATTY-IN-F	
			MULTIDI	- LICE		Customs Form 7501	(03098



HALL-BUCK MARINE, INC.

P. O. BOX 35 BURNSIDE, LOUISIANA 70738

RECEIVED

AUG - 9 1993

INVOICE NO. POPERS INDS., INC.

07/29/93 DATE Net 30 Days

RECEIVED Koppers Industries, Inc. 1601 Koppers Building Pittsburgh PA 15219

AU6 - 4 100°

KOPPER PC

PAGE #: 00%

D83006 PEFERENCE Attachm	nent-If	Applicable		
Description	.U/M	Quantity	Unit Prike	Sub-Total
Portland Bulk Terminal Yessel Discharge Coal Tar Pitch 1/V "Socofl Star" Completed: 0230 Hrs 7/22/93 108#: 5053 Discharge To Railcars Discharge To Trucks Additional Charges: Rental of Backhoe with Hammer Arrangement to Break 60!idified Pitch from the Mid-	Tons	4,578.31	21.3100	97,563.79
	Tons	700.00	15.8200	11,074.00
quipment	Tons	1.00	436.0500	486.05
Extra Men Tarp Trucks	Shft		448.0000	896.00

Sub-Total 110,019.84 Remit To: Hall-Buck Marine, Inc. Non Taxable .00 P. O. Box 54695 New Orleans, LA 70154 Total Due 110,019.84 ==========

Ki 37W REV 2 6M 6/90 CIRCLE TERMS ON INVOICE S-DET AMOUNT TAX 0362 110020 93 DATE 7/29/93 INV# 940196 5050 9 9270 A/P DEPARTMENT USE ONLY 0046400006 DUE DATE: \$129195 **GROSS AMOUNT** 11001984

UMPORTANT: CIRCLE TERMS ON INVOICE

DISCOUNT \$

DIVISION

MONTH

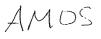
000033

AUDIT NUMBER



HALL-BUCK MARINE, INC.

P. O. BOX 35 **BURNSIDE, LOUISIANA 70738**



INVOICE NO.

940378

DATE

08/17/93

Koppers Industries, Inc. 1601 Koppers Building

Pittsburgh

PA 15219

Net 30 Days

PAGE #: 001

INVOICE

CUSTOMER NO.	REFERENCE *	Attachment-If	Applicable		
083006					
Descrip	tion	U/M 	Quantity	Unit Price	Sub-Total
	ulk Terminal	_			
Coal Tar P Vessel: M	√V Socofl St	ar			
Due To E	ntal Billing scalation** 0230 Hrs on				
JOB#: 9053		Tons	4,578.31	1,1900	5,448.19
Discharge		Tons	700.00	.8800	616.00

Sub-Total Non Taxable 6,064.19 .00

Remit To: Hall-Buck Marine, Inc.

P. O. Box 54695 New Orleans, LA 70154 Oh to Pry 6/25/93

Total Due

6,064.19 ===========

AUG 2 3 1993

GIL	DET.	S-DET.	LOC.	DERT.	TAX	EMP#	MOVE#	AMOUNT		CIRCLE	TERMS	ON INVOICE
5050	9	93/	9270	X	036 a			6,064		INV# 940	378	DATE 08/17/93
		-		<u> </u>					-	♦ A/PD	EPARTMEN	T USE ONLY 🗣
										VENDOR NUMBER	096	140006
		<u> </u>)	10		<u> </u>			TERMS. 0 4	5 DUE	DATE: / /
OK TO	Jour	2 F		9/1	319.3	GROSSA	MOUNT	6064	119	DIVISION	MONTH	AUDIT NUMBER
`	71-	30	CLE TERMS	~/C	DICE	DISCOUN'	T \$	6,064	10,	483	9	000105

HALL-BUCK MARINE, INC.

12:21

BURNSIDE, LOUISIANA 70738

940378

08/17/93

Koppers Industries, Inc. 1601 Koppers Building

Pittsburgh

PA 15219

Net 30 Days

PAGE #: 001

.8800

CUSTOMER NO. REFERENCE Attachment-If Applicable 083006 U/M Unit Price Description Quantity **Sub-Total** Portland Bulk Terminal Coal Tar Pitch Vessel: M/V Socofl Star **Supplemental Billing, Due To Escalation** Completed: 0230 Hrs on 7/22/93 JOB#: 9053 Discharge To Railcars Tons 4.578.31 1.1900 5,448,19

The state of the s

700.00

Tons

Remit lo:

Discharge To Trucks

Hall-Buck Marine, Inc.

P. O. Box 54695

New Orleans, LA 70154

Sub-Total Non Taxable 6,064.19

.00

616.00

Total Due

6,064.19 ------------

AUG 2 3 1993

1. Agents KERR NORTON HARINE 1500 S.W. FIRST AVE SUITE 940 PORTLAND, OREGON		STATEMENT OF FACT				
2. Vessel's name HV SOCOFL STAR		3. Port PORTLAND, OREGON				
4. Owners / Disponent Owners UNICOM MANAGEMENT		5. Vessel berthed 19 JULY 1993 1725/1740				
LIMASSOL, CYPRUS		6. Loading commenced	7. Loading completed			
8. Cargo PENCIL PITCH IN BULK		9. Discharging commenced 19 JULY 1993 1925HRS	10. Discharging completed 21 JULY 1993			
		11. Cargo documents on board	12. Vessel sailed			
13. Charter Party ? PER RELEVANT CHARTER PARTY		14. Working hours/meal hours of the part 0800-1700 1200/1300				
15. Bill of Lading weight/quantity 5260 MTS	16. Outturn weight/quantity	1800-0300 2200/2300				
17. Vessel arrived on roads		18. DF5.6M DA5.9M FO62MT DOGOMT FW100MT				
 Notice of readiness tendered 19JUL93 1740HRS ACCPTD 91JU 	JL93 1800HRS	20.				
21. Next tide available		22.				

DETAILS OF DAILY WORKING

Date	Day		worked Hours stopped		stopped	No. of gangs	Quantity	Remarks
	Buy	From	10	From	to	No. or gangs	load./disch.	Nemarks
	·							
19JUL93	MONDAY	1900	0300	1		1	1288.8	TTL THIS SHIFT
				1900	1910		1	MOVE VSLS CRANES
				1910	1915			UNCOVER #1
	1	1		1915	1925	f	{	LOWER SPILL TRAY
	-	1925	2300		1			DISCH CARGO #1
1		{	1	2300	2400	,	,	MEAL HOUR
- B		0000	0340		1	ļ		DISCH CARGO #1
			1	0340	0350	Į		RAISE SPILE TRAY
		j,		0350	0400			COVER #1
20JUL93	TUESDAY	0800	1700		Į.	1	1490.7	TTL THIS SHIFT
	1	1	}	0800	0810	}]	UNCOVER #1
			•	0810	0815	}		LOWER SPILL TRAY
		0815	1150	1				DISCH CARGO #1
				1150	1200			RAISE SPILL TRAY
		ļ	ļ	1200	1300			MEAL HOUR
		İ		1300	1305			LOWER SPILL TRAY
		1305	1505				1	DISCH CARGO #1
		Ì		1505	1510			UNCOVER #2
•	İ	1510	1600	1				DISCH CARGO #2
	1	1	1	1600	1610	1	1	COVER #1
	· ·	1610	1645	1	1			DISCH CARGO #2
		1,33	1	1645	1650	1	}	RAISE SPILL TRAY
				1650	1700	}		COVER #2
	1	1800	0300	1000	1.00	1	1235.1	TTL THIS SHIFT
		1000	0000	1800	1805	1	1230.1	
	1			1805	1810		[UNCOVER #1
				1810	ł	1		UNCOVER #2
					1825	}		HOIST PAYLOADER
	1			1825	1835		1	OPEN ESCAPE HATC
	1		1040	1835	1840	1		LOWER SPILL TRAY DISCH CARGO #2
	ļ	1840	1940	\ ·	1	1	1	
		1940	2040	ĺ				DISCH CARGO #1
	1	2040	2140		1			DISCH CARGO #2

Place and date

Name and eightly a figure from the Charterers / Shippers / Receivers)

Name and eightly a from the Charterers / Shippers / Receivers)

KERR NORTON MARINE

KOPPENS IND

1. Agents							
KERR NORTON MARINE		STATEMENT O	STATEMENT OF FACT				
MV SOCOFI. STAR 2. Vessel's name		3. Port PORTLAND, OREGON					
2. Vessel's name		3. Port					
4. Owners / Disponent Owners		5. Vessel berthed					
,		6. Loading commenced	7. Loading completed				
8. Cargo		9. Discharging commenced	10. Discharging completed				
.		11. Cargo documents on board	12. Vessel sailed				
13. Charter Party		14. Working hours/meal hours of	14. Working hours/meal hours of the port				
15. Bill of Lading weight/quantity	16. Outturn weight/quantity						
17. Vessel arrived on roads		18.	18.				
19. Notice of readiness tendered		20.	20.				
21. Next tide available		22.	22.				

DETAILS OF DAILY WORKING

Date	Day	Hours	s worked	Hours	stopped	No. of gangs	Quantity	Remarks
Daie	Cay	From	to	From	to	No. or gangs	lood./disch.	K emarks
OJUL93	TUESDAY	2140	2200					DISCH CARGO #1
			1	2200	2300			MEAL HOUR
		2300	0045					DISCH CARGO #2
		0045	0130					DISCH CARGO #1
		0130	0240			•		DISCH CARGO #2
)	Ì	0240	0250			RAISE SPILL TRAY
				0250	0300			COVER #1 /#2
1 JUL 93	WEDNESDAY	0800	1700			1	949.9	TTL THIS SHIFT
. #			1	0800	0810		3,0,0	UNCOVER #1/ #2
		0810	1100					DISCH CARGO #2
		}	}	1100	1110			HOIST PAYLOADER IN #
		1110	1200					DISCH CARGO #2
			1	1200	1300			MEAL HOUR
		1300	1330		ļ	1		DISCH CARGO #2
	ł		1	1330	1340			HOIST PAYLOADER IN #
		1340	1515					DISCH CARGO #2
		1515	1540					DISCH CARGO #1
		1540	1700		ĺ			DISCH CARGO #2
		1800	0300	1		1	295.5	TTL THIS SHIFT
		1800	2030					DISCH CARGO #2
		2080	2045		İ			DISCH CARGO #1
	,	2045	2100	{	Ĭ		1	DISCH CARGO #2
		2100	2115					DISCH CARGO #1
			1	2115	2130		•	HOIST PAYLOADER IN #1
				2130	2145			HOIST PAYLOADER IN #2
		2145	2300					DISCH CARGO #2
			[·	2800	2400			MEAL HOUR
4		0000	0230					DISCH CARGO #2
				0230	0300			HOIST PAYLOADERS TO DOCH
				0300	0330	1		COVER #1/ #2
		1		0330	0500	,		CLEAN DOCK
								CLEAN DUCK

Place and date

Name and rignature (Agents)

Name and signature (Agents)

Name and signature (Agents)

Name and signature (Agents)

Name and signature (Agents)

Name and signature (Agents)

Name and signature (Agents)

1. Agents							CTATEMENT OF FACT				
KERR NORTO	n Marine	•				STATEMENT OF FACT					
MV SOCOFI.	STAR					3. Port	ORTLA	ND, OREGON			
	î .		· · · · · · · · · · · · · · · · · · ·								
I. Owners/Disp	onent Owners					5. Vesse	I berth	ed			
	*				6. Loading commenced			menced	7. Loading completed		
3. Cargo	-	· · · · · · · · · · · · · · · · · · ·		9 Disch	araina	commenced	10. Discharging completed				
. Cargo	₩.			y, Disen	arging	commences					
	.	•				11. Cargo	docum	ents on board	12. Vessel sailed		
3. Charter Party	** <u>*</u> **	·•.				14. Workin	ng hour	s/meal hours of th	ne port		
5. Bill of Ladin	g weight/quantity	1	5. Outturn we	ight/quantity		-					
7. Vesset arrive	ed on roads	<u> </u>				ansmittal n		7671 # of pages ▶	2		
). Notice of rea	diness tendered			TO PAU	11 thon	145	From Co.	Ames			
				Co.		3102	Phone	.#			
. Next tide avo	ilağle			Dept.		Y /-	Fax #				
				Fax#			t				
ETAILS OF DA	ALY WORKING	Γ					· · · · · · · · · · · · · · · · · · ·	<u> </u>	· · · · · · · · · · · · · · · · · · ·		
Date	Day	Hou	rs worked	Hours	stopped	No. of g	ana-	Quantity	Remarks		
2410	July	From	to	From	to	140. 01 9	ungs	load./disch.	Remorks		
JUL93	TUESDAY	2140	2200						DISCH CARGO #1		
			0015	2200	2800				MEAL HOUR		
	1	2300	0045 0130		1				DISCH CARGO #2		
	ļ	1		İ				1	DISCH CARGO #1		
	1	0130	0240	0040	0250			ł	DISCH CARGO #2		
				0240	0250				RAISE SPILL TRAY		
JUL93	WEDNESDAY	0000	1700	0250	0800				COVER #1 /#2		
π. 10Ε93	HEDINESUAI	0800	1700	0000	0010		1	949.9	TTL THIS SHIFT		
	1	0810	1100	0800	0810			1	UNCOVER #1/ #2		
	1	0.01.0	100	1100	1110				DISCH CARGO #2		
		1110	1200	1100	1110				HOIST PAYLOADER IN #1		
		1110	1200	1200	1300				DISCH CARGO #2		
]	1300	1330	1200	1.333				MEAL HOUR DISCH CARGO #2		
	1			1330	1340				1		
		1340	1515						HOIST PAYLOADER IN #2 DISCH CARGO #2		
	1	1515	1540		1				DISCH CARGO #2		
		1540	1700						DISCH CARGO #1		
	}	1800	0300				1	295.5	TTL THIS SHIFT		
		1800	2030				-		DISCH CARGO #2		
		2030	2045					}	DISCH CARGO #1		
		2045	2100						DISCH CARGO #2		
		2100	2115		1				DISCH CARGO #1		
	1		1	2115	2130	ŀ		1	HOIST PAYLOADER IN #1		
				2130	2145				HOIST PAYLOADER IN #2		
		2145	2300		1				DISCH CARGO #2		
	1	_	(2800	2400			ļ	MEAL HOUR		
•		0000	0230		1				DISCH CARGO #2		
				0230	0300				HOIST PAYLOADERS TO DOCK		
				0300	0330				COVER #1/ #2		
				0330	0500				CLEAN DOCK		
					-						
eneral remarks	<u>.l</u> .	L									
							OG L	TAK			
lace and date				·	Nome	and standing	COX P	SWr /	anal.		
TLAND OF TO	N 91 HILV 400	39			1	/ 37	SKILL	B CDES!	YATKIN ALBUM		
RTLAND OREGO lame and signat	ure (Agents)	7	_//_	/	Name	an signatu	3 0 C	P Charterers (S)	ppers /Receivers)		
R NORTON MA	RINE (/	// /	1	KOPPER:	and signature of the CR					
	V	h				<u> </u>	, 	Alm.	- A. S. Francisca 8/19/		
									8/191		
							رس		-/ 1//		

1. Agents KERR NORTON MARINE 1500 S.W. FIRST AVE SUITE 940 PORTLAND, OREGON	STATEMENT OF FACT
2. Vessel's name MV SOCOFL STAR	3. Port PORTLAND, OREGON
4. Owners / Disponent Owners UNICOM MANAGEMENT LIMASSOL, CYPRUS	5. Vessel berthed 19 JULY 1993 1725/1740
•	6. Loading commenced 7. Loading completed
8. Cargo PENCIL PITCH IN BULK	9. Discharging commenced 19 JULY 1993 1925HRS 10. Discharging completed 21 JULY 1993
5	11. Cargo documents on board 12. Vessel sailed
13. Charter Party PER RELEVANT CHARTER PARTY	14. Working hours/meal hours of the port 0800-1700 1200/1300
15. Bill of Lading weight/quantity 16. Outturn weight/quantity 5260 MTS	1800-0300 2200/2300
17. Vessel arrived on roads	18. DF5.6M DA5.9M FO62MT DOGOMT FW100MT
19. Notice of readiness tendered 19JUL93 1740HRS ACCPTD 91JUL93 1800HRS	20.
21. Next tide available	22.

DETAILS OF DAILY WORKING

Date	Day	Hours	worked	Hours	stopped	No. of gangs	Quantity	Remarks
Dare	. Day	From	to	From	to	No, or gangs	load./disch.	Kemarks
					,			
19JUL93	MONDAY	1900	0800			1	1288.8	TTL THIS SHIFT
	•			1900	1910		1	MOVE VSLS CRANES
				1910	1915			UNCOVER #1
	\ .	1		1915	1925	ļ	}	LOWER SPILL TRAY
		1925	2300	1	i		1	DISCH CARGO #1
100		ł	,	2300	2400		ļ .	MEAL HOUR
1 F		0000	0340	1	İ			DISCH CARGO #1
		1		0340	0350		}	RAISE SPILE TRAY
				0350	0400			COVER #1
20JUL93	TUESDAY	0800	1700			1	1490.7	TTL THIS SHIFT
				0800	0810			UNCOVER #1
•				0810	0815			LOWER SPILL TRAY
		0815	1150					DISCH CARGO #1
				1150	1200			RAISE SPILL TRAY
				1200	1300	į		MEAL HOUR
•				1300	1305			LOWER SPILL TRAY
		1305	1505					DISCH CARGO #1
	1.			1505	1510	1	1	UNCOVER #2
•	-	1510	1600	1	1		1	DISCH CARGO #2
	İ			1600	1610			COVER #1
	1	1610	1645			· ·		DISCH CARGO #2
		1010	****	1645	1650			RAISE SPILL TRAY
	1			1650	1700			COVER #2
		1800	0300	1000	1,00	1 1	1235.1	
	1	1000	0300	1800	1805	1	1230.1	TTL THIS SHIFT
				1	1		1	UNCOVER #1
				1805	1810		1	UNCOVER #2
		1		1	1825			HOIST PAYLOADER T
				1825	1835			OPEN ESCAPE HATCH LOWER SPILL TRAY
			1015	1835	1840	1		DISCH CARGO #2
	1	1840	1940	•	1			
		1940	2040		1		1	DISCH CARGO #1
		2040	2140		1			DISCH CARGO #2

	SOCOFI, STAR
Place and date	Namand signature Myster) ODESVATKIN
NEORTHAND GOREGONAgents) KERR NORTON MARINE	Name and pipulate from the Chartery's /Shippers /Receivers) KOPPENS IND

8/19/13

Vanalco

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	DN 71523	186600	63500	123/00	4/55	
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	Alaf 182067	180300	6-300	18000	5900	
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1/2 1	gens.	Gios	Loue	Het	ton	Jel
1/2/	DN419375	178760	62500	116260	58.13	
	BN 419524	178960	61000	117960	578,98	
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	UN 71518	187880	62700	125180	6259	
	NP 75320	175400	6/200	114200	57./0	
	NP 75383	181000	6/100	119900	39.95	
	NP75330	1 75300	61400	113900	54.95	
	NP 75'392	184040	60700	123340	6/67	
	NP 75350	182300	61400	120900	60 45	
				1,070,660	535 33	
				7		

	<u> </u>	1 ====	2	з ====	4	5
7-21	gen	Kron	tau	net	Tons	Jul
1-21	BN 419 F21	206800	62100	144700	7235	
	CB+985120	188240	63200	125040	(સડ્ડ	
	CB+985178	198680	629 00	/35780	67.89	
	BA 71578	197969	64200	133760	46.88	
	EN 71536	198120	63000	135120	6756	
	NP 75619	193800	62300	135500	6775-	
	NP 75322	18/340	6/500	119840	59.92	
	NP 75337	183360	60900	122460	61.23	
	2011/2008	185100	62500	122600	6/30	
				1,174,800	526 10	

			9 - 5 -5 -5 - - 315 95/1			
7. 21	gean,	Lin	tau	== 3 === The A	tro	Jet.
7/2/	BN 435033	179920	6/900	118020	59.01	
	BN 419377	186540	62100	124440	62,22	
	BN 435421	178500	6/600	1/6900	58,45	
	CB+9 85194		63000	1/7/20	5856	
	UN 7/999	115320	60800	114520	5726	
	UN 71526	191920	(43200	128720	6436	
	DN 71994	174180	61700	1/2480	5624	
	Sky 82367	177920	61000	116920	58.46	
	Shef 182251	187240	62700	124540	62.27	
			Total	1073660	536.83	
				119		

*				rg 511-07		
COLUMN COLUMN		Leon.	lace	net	Ins.	fet.
1/	W 6 Car.			//0/0		
2	CD + 4 8 1 10	3 191900	62700	129200	64.60	
3	ON 71548	187480	69000	1/8480	5924	
4				<u> </u>		
5	WN 71 553	1 195800	60900	134900	6745	
7	UN 715-29	201240	63700	137540	68.77	
8	10.1.16					
9	Dlef 182080	179080	62600	116480	58.24	
11	22/1/2/30	178560	6/900	116660	58,33	
12		 				
13				753260	376.63	
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7,	122	6.	Gran	tau	het	Tor	ges.
		DN 71538	181660	63300	1/8360	59.18	
	N	P75301	183200	60400	122800	61.40	
	X2	ly 82284	183320	61600	121720	60.86	
		4 82232	168340	6/300	107040	53,52	
	e	ef 81234	175300	60700	114600	5n.30	
	sh	1 182016	181620	62700	118920	59.46	
					703,440	351.72	
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1E ⊗		MA	9-5558 1-315951	1 -/0	÷	
COLUMN WRIT	1/12 790.	Dir.	tace	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	two	jed ,
2	DN 475016	202000	63700	138300	GA.15	
4 5	EB+Q 85/88	183860	6/800	122060	61.03	
6	MN 71564	/82280	63300	1/8980	59.49	
8	MP 75345	/ 75660	61900	1/3760	56.88	
10	82313	178500	61800	116700	58.35	
13	eleg 182177	199980	62300	137680	68.84	
14	20/182058	176460	62500	//3960	36 98	
16				861440	1400 72	
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EACH B/L MUST BE SIGNED IN LONGHAND

Data in this block fo	 r plant use or	nity.	—	para em a speta ou su						
TRUCK	Å	PM	MEMO	RANDUM COPY OF S	TRAIGHT (FRT. CHECK NO). AMOUNT	AGENTS N	10	
	<u> </u>		,	OF LADING—SHORT	١		s			
BEG.	Ä	, M	M	N-3159511-10	SHIPPERS ORDER NO.	1		SHIPPERS	NO.	
END	<u> </u>	, ,	in as acknowledgment that a Bill of Lading he the Original Bill of Lading, nor a copy or dupli	as been issued and is not icate, covering the property	661-500			KG	5558	32
OUT	Å	P M	named herein, and is intended solely for filing	g or record.	NONE	NO.	r"	l.	4	
RECEIVED, subject to	the classi	fications	and lawfully filed tariffs in effect on the date of issue	of this Bill of Lading,		22/93	†The fibr	e baxes and/o	or the fibre bar d/or the paper	rels, bags
FROM KOI	PPERS IN	DUSTR	IES, INC. AT POR	TLAND OR 972	1 .	,	used for t	his Shipment co et forth in the	or the fibre bord d/or the paper b onform to the spe moker's certifi d) and all other m or National M	ecifi- icate
the property described be	elow, in app	arent good	d order, except as noted (contents and condition of contents of a contract as meaning any person or corporation in possession of	packages unknown), marked, consigned an	nd destined as indicated below, whi	ch said company (t	thereon (if any required is of the Unifor	i) and all other m or National M	re- Actor
on its own road or its own route to destination, and	n water line, as to each p	otherwise party at an	to deliver to another carrier on the route to said destination. It is by time interested in all or any of said property, that every service	s mutually agreed, as to each corrier of a e ta be performed hereunder shall be sui	all or any of said property over all a bject to all the conditions not prohib	or any portion of so	†Shipper's	s imprint in lieu	of stamp not a pa d by the inters	art of
printed or written, herein o	ontained, inc	luding dass	sification bills of lading conditions, which are hereby agreed to by the	e shipper and accepted for himself and his	assigns.					
CONSIGNED TO			VANALCO ALUMIN				by water, the	ment moves between the law requires the erit is carrier's or s	een two perts by 0 6 of the bill of lading hipper's weight.	shall
STREET ADDRE	55		CONSIGNMENT #_						٠, ٠,	SEE
DESTINATION			VANCOUVER WA 9	8860	CAR OR VEH. IN	1.0.10	CAR OR V	EH, SEAL NO.		
NAME OF CARRIER			DAY DD		CAR OR VEH. IN	i. & NO.	CARORVE	In. SEAL NO.		
ROUTE			BN RR				IF CHAR	GES ARE TO	`	
CONSIGNEE'S	NOTIFI	CATIO	BN RR	TSBURGH PA 1	5210		OR STA	AID, WRITE AMP HERE PREPAID"	PREPAI	r D
			OT SHIPPING NAME/HAZARD CLA		PTION OF ARTICLES	S SPECIAL	ı		CLASS	_
PACKAGES NO. AND KIND	нм		(IF APPLICABLE)		MARKS & EXCEPTIO	NS	(SUBJE	WEIGHT CT TO CORRECTION	OR	~
			OSIVE SOLID, NOS/CORROSIVE M			.R	0			<u> </u>
			AZARDOUS SUBSTANCE, LIQUID, I		/-		0			1
			ZARDOUS SUBSTANCE, LIQUID, NOS/OI		LENE)/CRUDE NAPHTH	IALENE	0			
			THALENE (LESS THAN 100# PACK				<u> </u>		<u> </u>	—
			ZARDOUS SUBSTANCE, LIQUID, NOS/ORA		CREOSOTE COALTAR S	SOLUTION	<u> </u>		ļ	
	_		OR PITCH, COAL OR PETROLEUM, I	PAVING, ROOFING			<u> </u>		<u> </u>	
•			E COAL TAR	· · · · · · · · · · · · · · · · · · ·			0		 	—
		<u>-</u>	RUDE COAL TAR	WD (11) (110 ((CD)) DC			0			-
			TAR DISTILLATE/FLAMMABLE LIQUE	UID/UN 1136/CRUDE	HEAVY SOLVENT N	NAPHIHA	9		 	-
7_HC			AZARDOUS SUBSTANCE HOURS	NOS /ORM E /NA 0199	/CDEOSOTE\/CDE	OSCIE O	<u> </u>		 	+
			AZARDOUS SUBSTANCE, LIQUID, I			OSOTE O	(D)		 	+-
			FING COATING ASPHALT, PITCH O		BASE		B		 	
-			NT, ROOFING LIQUID/FLAMMABL		OOFING CEMENT	NOI	Ö			+-
***			ING CEMENT, NOI	E EIGOID/ IVA 1105/ K	OOTHO CEMENT,	1107	Ğ		 	+-
			OR PAPER, BUILDING, ROOFING,	OR SHEATHING			Ğ			+-
			ING, NOIBN, COMPOSITION OR F		· · · · · · · · · · · · · · · · · · ·		Ŏ			+-
			ZARDOUS SUBSTANCE, SOLID, N.O.S./OR		NHYDRIDE\/PHTHALIC	ANHYDRIDE	Ö			+
			HTHALIC ANHYDRIDE, SOLID, IMO				Ø			
		PHTH.	ALIC ANHYDRIDE				4			T :
		PAINT	RELATED MATERIAL/FLAMMABLE LIQUID/N	NA 1263/COMPOUND, PAIN	NT OR LACQUER THINN	ING	1			
		PAINT	r, DRY, LUMP OR POWDERED				Ø			
			NP 75345	SLSF 182	2177					
			GN 71564		5188					
			SLSF 82313 /	SLSF 182						
			BN 475016	DHOE TO						
†C.O.D. \$	<u> </u>		TO BE PAID BY	PLACARDED	TENDERED	 		†FCT. WG1		Т.
			SHIPPER CONSIGNEE		OR			FACTOR	•	
REMIT TO				†WEIGHED AT		PLACARD-TRUCK BY		(# / G)		
				GROSS	RATED	·-·				
Subject to Section 7 of	Conditions	of applica	able bill of lading, if this shipment is to be delivered to the		SHELL (GALS.) CAPACITY			the property desc	payment of the cho cribed hereon.	arges on
consignee without recou	ne on the c	onsignor, 1	the consignor shall sign the following statement: this shipment without payment of freight and all	TARE	SHELL OUTAGE				gent or Cashier	
signature KOI	PPERS IN		•	ALLNCE.	+ DOME INNAGE			Per		
(is depend		★ below	NET WT.	TOTAL	* w		(The signature amount prepaid.	here acknowledges	uniy the
the released or declare	d value of t	he proper	lue, shippers are required to state specifically in writing rty. The agreed or declared value of the property is hereby 0 cents per pound for each distribution package."		@ °F			CHARGES ADVA	NCED	
				436 SEVI	ENT POST-OFFICE ADDRESS O ENTH AVENUE - PITTSBURGH,	PA. 15219		s		
This is to certify that the labeled and are in propo ment of Transportation.			ials are properly classified, described, pockaged, marked and ortation according to the applicable regulations of the Depart-	†Shipper hereby certifies that this ship is shown and is subject to verification of			BN RR			
KOPPERS TROUST	RIES, INC	Ship		and Inspection Bureau having jurisdiction.		-				AGENT
PER /	ug	4	LUST	PER		PER		<u> </u>		
★ Signature of SI Signature above			bove is also intended as execution of Section 7. ghand.	· · · · · · · · · · · · · · · · · · ·		•			PLANT CO)PY

EACH B/L MUST BE SIGNED IN LONGHAND

	Date in this black fo	plant use	only.				_				_						
1	IN:	A	, P	ļ		(RANDUM COP				FRT. CHECK	10. A	MOUNT	AGENTS I	10.	
5	BEG.	<u> </u>	P					OF LADING			9050 110		5		SHIPPERS		
	END	<u>A</u>				Aemorand	ium	IN-315951					_		ľ		
ا	CINU	<u> </u>) th	e Origiz	nal Bill of Lading	s. ner a coov er dupi	as been issued and is no icate, covering the prope	t wty	661 CONSIGNE		<u>0132XX</u>	<u>X</u>		—√ KG	555	81
1	OUT	Å	P M	nc	imed he	irein, and is inte	ended solely for filin	g or record.		NON					- :-	•.	
Æ	CEIVED, subject to	the clas	sifications	and lawf	ully file	d tariffs in effect	t on the date of issu	of this Bill of Lading,		! NON		22/93		† The fib.	re boxes and/e ails or tubs and this Shipment co et forth in the (if any require- ts of the Unifor assifications.	or the fibre b	arreis, r baas
R	OM KO	PERS I	NDUSTR	RIES, INC	<u>.</u>		AT PORT	LAND OR	9721	0	DATE	,		used for s	this Shipment co let forth in the	nform to the s maker's cert	pecifi- ificate
•	property described by	olow, in a	pparent goo	d order, exc	ept as no	sted (contents and	condition of contents of	packages unknown), marked, the property under the contro	consigned a	nd destined as indicated	d below, wh	sich said company	(the	thereon quiremen	(if any require- ts of the Unifor	d) and all oth m or National	Motor
n i	its own road or its ow	water lin	re, otherwise	to deliver to	a another	carrier on the rout	te to said destination. It	is mutually agreed, as to eac se to be performed hereunde	h corrier of	all or any of said prope	rty over all	or any portion of	said ther	†Shipper	s imprint in lieu ading approve e Commission.	of stamp not a	part of
rin	ted or written, herein c	ontained, i	including clas	afication bill	s of lading	g conditions, which a	ore hereby agreed to by f	he shipper and accepted for hi	mself and his	ossigns.							
_	ONSIGNED T						ALUMIN						:	"If the Ship by water, ! state wheth	pment moves between the low requires the ner it is corrier's or s	en two ports by a of the bill of lodi hipper's weight.	ng shall
-	REET ADDRE	55					NMENT # VER WA 9										SEE
	ESTINATION AME OF					ANCOU	VIII WA	70000		CAR	OR VEH. II	N. & NO.		CAR OR V	EH. SEAL NO.		
	ARRIER				Đ	N RR											
2	DUTE					N RR		···········					-		GES ARE TO		
3	ONSIGNEE'S	NOTIF	ICATIO	N:ADD	RESS	KOPI	PERS PIT	TSBURGH	PA 1	5219				OR STA	AMP HERE PREPAID"	PREPA	AID
_	PACKAGES						HAZARD CLA	ASS C	ESCRI	PTION OF A	RTICLE	S, SPECIA		1	WEIGHT	CLASS	
	O. AND KIND	нм				F APPLICA				MARKS & EX					ECT TO CORRECTION		
						<u>_</u>		MATERIAL/UN 1				AR				<u> </u>	
								NOS/ORM-E/N					_				+-
_								RM-E/NA 9188 (NA	APHTHA	LENE)/CRUDE	NAPHTI	HALENE		2			
							V 100# PACK	.AGE) A-E/NA 9188 (CREC	SOTE /	CDECSCOTE CO	A1 TAD	COLUTION)			+
								PAVING, ROOF		CKEOSOIE CO	AL TAK	SOLUTION		3		-	<u> </u>
-				E COA			LIKOLLOM,	AVIIIO, ROOT	110			,		5			
				CRUDE										5			
							MMABLE LIQ	UID/UN 1136/0	RUDE	HEAVY SOL	VENT I	NAPHTHA		5			
	6 HC.			ER, ELE						1				D			
_			RQ H	AZARD	OUS	SUBSTAN	ICE, LIQUID,	NOS/ORM-E/N	A 918	(CREOSOT	E)/CRE	OSOTE C	OIL (D	-		
			COAT	TING S	OLUI	TION/FLA	MMABLE LIQI	JID UN 1139/ 🖁	OOFING COA	TING, ASPHALT, BASE				0			
						·	ALT, PITCH C							<u> </u>			
_	·						D/FLAMMABI	E LIQUID/NA 1	133/R	OOFING CE	MENT,	NOI					
_						NT, NOI	20051110	00 0115 1 7 110 10						D			
			+				, ROOFING, I	OR SHEATHING		· - · · · · · · · · · · · · · · · · · ·				D D		-	+-
		-	1					M-E/NA 9188 (PHT	HALIC A	NHAUBIUE) \ bH	THALIC	VMHAUBIUE		Ď		 	+
								CLASS 8, COR						Đ		+	+
				ALIC A			, ,							D			
_	· · · · · · · · · · · · · · · · · · ·						MABLE LIQUID/	NA 1263/COMPOU	ND, PAI	NT OR LACQUE	R THINN	ING		D			
			PAIN'	r, DRY	, LUN	AP OR PO	WDERED						(2			
						/	7										
			1	lsf		2284	/	sİsf	822	32		•					
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		ľ	s	ISI	тя.	2016		slsf	822	34 /						'	
	C.O.D. \$	L	l			O BE PAID BY		PŁACARDED		TENDER	ED.			1	†FCT. WGT		
_				1		IIPPER	CONSIGNEE	RAR		OR	· .	OL CARD TRUCK			FACTOR (# / G)	•	
Œ	MIT TO							†WEIGHED AT				BY BY			Received		
								GROSS		RATED	-				<u>-</u> 		
	niect to Section 7 of	Condition	v of goolis	oble bill of	Indian i	fahir akinggan in	to be delivered to the	GROSS		SHELL (GA CAPACITY	ALS.)				to apply in pre the property des	payment of the c ribed hereon.	charges on
on	signee without recou	rse on the	consignor,	the consign	or shall si	ign the following s	to be delivered to me statement: t of freight and all	TARE		- SHELL OUTAGE						gent or Cashier	
eh	er lawful charges.		NDUSTRI			The payment		ALLNCE.		DOME					Per		-
				★ bel	ow			NET WT.		TOTAL		.%			(The signature amount prepaid.	here acknowledge }	es anly the
10	raleased or declare	d value o	f the prope	rty. The ago	reed or d	leclared value of t	specifically in writing the property is hereby			@ °F		·ŵ	_		CHARGES ADVA	NCED	
at	ed by the shipper to	be not ex	ceeding 17	O cents per	pound f	or each distribution	on package."		PERMAN 436 SEV	ENT POST-OFFICE A	DDRESS C	OF SHIPPER: PA. 15219			s		
ы	wheel and are in prop	above a	amed mater in for transp	ials are pro portation acc	perly dar ording to	sified, described; (packaged, marked and gulations of the Depart-	†Shipper hereby certifies	that this ship	ment is correctly descri	ibed; correc	t weight		3N R			
en	n of Transportation. OPPERS INJUSTY						•	is shown and is subject to and Inspection Bureau havin			s with the Y	veighing					AGENT
E	R ///	Щ		111				PER				PER					_
_	+ Signature of Si	innal's a	gent next a	bove is also	intende	d as execution of S	Section 7										OBV

EACH B/L MUST BE SIGNED IN LONGHAND

	Data in this bloc	k for plant us	only.					•								
Τ.	IN BEG.	A	М	٠		(RANDUM COPY OF S OF LADING—SHORT		FRT.	CHECK NO.	AMOUNT S	AGENTS NO).	
<u>۾</u>	BEG.	<u> </u>	<u> </u>		P1-1- A/			M N	-3159511-08	SHIPPERS	ORDER NO.			SHIPPERS N	O.	
	END	A M	P M	is	an ackin	Nemorand	ta Bill of Ladi	na ha	s been issued and is not	66	1-50013	2XX		_ KG		
	OUT	<u> </u>	P		he Origin amed he	nal Bill of Lading vein, and is inte	nor a copy or ided solely for	dupli filing	cate, covering the property por record.	CONSIG	NEES ORDER NO.	,4			5558	3 U
RE	CEIVED, subject	t to the clo	ssifications	and lawf	fully files	tariffs in affect	on the date of		of this Bill of Lading,	!N	ONE		†The fibre	boxes and/or	the fibre barr	rels,
			INDUSTR				1			_	07/22	/93	drums, pa used for th	boxes and/or ils or tubs and/ ils Shipment con t forth in the f any required) s of the Uniform ssifications.	or the paper b form to the spe	ags cifi-
						ted (contents and c			LAND OR 9721 (ackages unknown), marked, consigned an			company (the	thereon (i	f any required)	and all other	re-
nov i no tuo	d company being to own road or its to destination,	understood t own water i and as to ea	hroughout this ine, atherwise ch party at a	s contract as to deliver : ny time inte	s meaning to another trested in a	any person or corpo carrier on the route all or any of said pr	ration in possession to said destination to be perfy, that every	on of (on, it i servic	the property, under the contract) agrees to a mutually agreed, as to each carrier of a se to be performed hereunder shall be sul e shipper and accepted for himself and his	carry to its usual pi il or any of said pr iject to all the cond	lace of delivery at said operty over all or any p	destination, if portion of said	freight Cla †Shipper's bill of la Commerce	ssifications. imprint in lieu of ding approved Commission.	stamp not a pa- by the Interst	rt of tate
cc	ONSIGNED	TO	VANA	LCO	λι	UMTNUM								nent moves betwee a law requires that		
ST	REET ADD					T # 45							state whether	r it is carrier's or shi	oper's weight.	
DE	STINATIO					WA 988					•				<	SEE
	AME OF ARRIER		BN R							C	AR OR VEH. IN. & NO	D.	CAR OR VE	H. SEAL NO.		
RC	OUTE		BN R										IF CHARC	SES ARE TO		
CC	ONSIGNEE				DRESS	KOPP	ERS.	D T	TTSBURGH PA	15210			OR STA	MP HERE	DD 51.5.7.7	
	PACKAGES O. AND KIN		D	OT SH		IG NAME/ F APPLICA	HAZARD (CLA	SS / DESCRIE	PTION OF	ARTICLES, SI XCEPTIONS	PECIAL	V	VEIGHT	PREASAI OR RATE	✓ .
	·								NATERIAL/UN 1759/O				0			
			RQ H	AZAR	DOUS	SUBSTAN	CE, LIQUI	D, I	NOS/ORM-E/NA 9188	(NAPHTH	ALENE)		0			
		<u> </u>						<u> </u>	RM-E/NA 9188 (NAPHTHAI	ENE)/CRUD	E NAPHTHALEI		<u> </u>			
_						LESS THAN	•						<u> </u>			
			+						1-E/NA 9188 (CREOSOTE)/	CREOSOTE C	OAL TAR SOLU		9			
_							TROLEU	۷, I	PAVING, ROOFING				<u> </u>			-
				DE CO					·				Q			—
		_		CRUDE					110 (11) 110 (10)				<u> </u>			—
							VWARLE !	.IQ	UID/UN 1136/CRUDE	HEAVY SC	LVENI NAPI		<u> </u>			₩
	6 HC			ER, ELI			CE LIQUI		NOS (ORM E (NA 0199	(CDEOSO	TEL (CDEOC		<u>@</u>			
		_	COA	TING	SOUL	TION /ELAA	LAAARIE I	<u>, i</u>	NOS/ORM-E/NA 9188 JID UN 1139/ ROOFING COA	TING, ASPHALT.	TE)/ CREOS		0			
		+							OR TAR BASE	BASE			B			+
		\dashv							E LIQUID/NA 1133/R	OOFING C	EMENT NO		Ö		·····	
						NT, NOI	/ 1 2/0/0/1		E EIGOID/ IVA 1100/ IV	3011110	EINELINI, INO		Ö			
_			 				ROOFING	G. (OR SHEATHING				Ğ			\vdash
_			-			N, COMPC	·	<u> </u>					Ď			
									M-E/NA 9188 (PHTHALIC A	NHYDRIDE)/I	PHTHALIC ANH		Ŏ			
	····								CLASS 8, CORROSIVE				®			
			PHTH	IALIC A	ANHY	DRIDE							@			
			PAINT	RELATE	D MAT	ERIAL/FLAMA	AABLE LIQU	ID/N	NA 1263/COMPOUND, PAIR	NT OR LACQ	UER THINNING		4			
			PAIN	T, DRY	, LUN	AP OR POV	/DERED						@			
				BN NP NP		35474 75334 75300	<i>.</i> /		NP 7560 NP 7534 SLSF 8224	8 -						
_	C.O.D. \$					O BE PAID BY	CONSIGN	EE	PLACARDED	TENDI OR		RD-TRUCK		†FCT. WGT. FACTOR (# / G)		
									TWEIGHED AT		BY			Received		
							-		GROSS	RATED				\$		
Sui	biect to Section	7 of Condition	ons of anolic	able bill of	f ladina i	f this shipment is to	he delivered to	the		SHELL CAPACITY	(GALS.)			the property descri	ayment of the cho bed hereon.	arges on
cor	rsignee without r	ecourse on H	ne consignor,	the consign	nor shall si	ign the following st rithout payment	otement:		TARE	- SHELL OUTAGE					ent or Cashier	
oth	ser lewful charg Sianature	86.	INDUSTR	•			-		ALLNCE.	DOME				Per		
		per	_	★ be						INNAGE			 	(The signature hamount prepaid.)	ere acknowledges	only the
						equired to state si eclared value of th			NET WT.	TOTAL @	°F .9	;		CHARGES ADVAN	CED	
528 1	ted by the shipp	er to be not	exceeding 17	70 cents pe	er pound f	or each distributio	n package."		PERMAN 436 SEVI	ENT POST-OFFIC	E ADDRESS OF SHIP PITTSBURGH, PA. 1	PER: 5219		s		
ner ner	eled and are in : at of Transportation	proper condi N. 🎤	ion for trans	portation ac	roperty clas scarding to	selied, described, p the applicable reg	ackaged, marked dations of the De	and part	†Shipper hereby certifies that this ship is shown and is subject to verification			E	3N RR			
K	OPPERS INCOL	STRIES	NC.,-Ship	per,	9	_			and Inspection Bureau having jurisdiction		- "•					AGENT
PE	R		w	//4	24				PER			PER				
	+ Canana	of Shipper's	adent new	abafe is alw	o intended	d as execution of S	ection 7									10V

REGULATIONS REQUIRE: Data in this block for plant use only.

EACH B/L MUST BE SIGNED IN LONGHAND

IN		Â	P M			(RANDUM COPY OF		S., (CHECK NO.	AMOUNT	AGENTS	40.	
BEG) .	Â	P M			`		OF LADING—SHORT		HIPPERS ORDER NO.		<u> </u>	SHIPPERS	NO.	
ENC) ·	<u>.</u>	P			emorand	um	MN-3159511-0 is been issued and is not	7	661-5001	32XX				70
OUT		<u> </u>	P	4 #	he Original	Bill of Lading	, nor a copy or duplinded solely for filing	icate, covering the property	c	ONSIGNEES ORDER NO.	2		\ NU	555	19
		M	M	<u></u>						NONE		,			
ROM	KOI	PERS I	NDUST	RIES, INC	C		AT P	of this Bill of Lading, ORTLAND OR 9		- John C		drums, po	re boxes and/ ails or tubs an this Shipment c et forth in th (if any require ts of the Unifo assifications.	d/or the pape onform to the s e maker's cert d) and all oth	r bags specifi- ificate her re-
ord comp	any being und	erstood the	aughout thi	s contract as	ne gninoem t	y person or corpo	pration in passession of	ackages unknown), marked, consigned a the property under the contract) agrees to	corry to its	usual place of delivery at said	destination,.if	quiremen Freight Cl	ts of the Unifo assifications.	rm or National	Motor
oute to de rinted or v	estination, and written, herein o	as to each antained, i	porty at a natuding da	ny time inte ssification bili	rested in all o is of lading co	or any of said pr anditions, which ar	operty, that every services to by the services of the services agreed to by the services of th	s mutually agreed, as to each carrier of to be performed hereunder shall be su to shipper and accepted for himself and his	bject to all 1	f said property over all or any p the canditions not prohibited by	low, whether	bilt of Ic Commerce	s imprint in lieu ading approve e Commission.	of stamp not a	erstate
	IGNED T	·				MINUM # 45						"It the Ship by water, t state wheth	oment moves betw the law requires the ner it is carrier's or	een two ports by a lat the bill of ladi hippers weight.	ng shall
	T ADDRE					# 43 A 988				···		-			SEE
VAME						700				CAR OR VEH. IN. & NO).	CAR OR V	EH. SEAL NO.		
CARRI		1	XXX	ER I	BN R	R						Ì			
OUTE	•			I	BN R	R						IF CHARG	GES ARE TO		
CONS	IGNEE'S	NOTIF	ICATIO	N ADD	RESS	KOPP	ERS PIT	TSBURGH RXXX	XXX	PA 15219		OR STA	AMP HERE	PREPA	ID_
	KAGES ND KIND	нм	D	OT SH		NAME/ APPLICA	HAZARD CLA BLE)	,		OF ARTICLES, SE	PECIAL		WEIGHT	CLASS OR RATE	~
_								MATERIAL/UN 1759/O				0			
								NOS/ORM-E/NA 9188				<u> </u>			
								M-E/NA 9188 (NAPHTHA	LENE)/C	CRUDE NAPHTHALEN		<u> </u>		 	-
							1 100# PACK		CDEOCC	OTE COAL TAR COUR		<u> </u>		 	
								4E/NA 9188 (CREOSOTE)/ PAVING, ROOFING	CKEOSC	DIE COAL TAR SOLUT		6		 	+
		<u> </u>			AL TAR		ETROLEUM;	PAVING, ROOFING				ŏ		 	+
		-			COAL							ŏ		 	 .
			<u> </u>				MMABLE LIQ	UID/UN 1136/CRUDE	HEAV	Y SOLVENT NAPI		ŏ			+
6	HC				ECTRO							Ď			
×-								NOS/ORM-E/NA 9188							
			COA	TING S	OLUTIO	ÓN/FLAM	MABLE LIQI	JID UN 1139/ ROOFING CO.	TING, ASPH BASE	ALT,		®		· ·	
							ALT, PITCH C					®		<u> </u>	
			·				/FLAMMABI	E LIQUID/NA 1133/R	OOFIN	IG CEMENT, NOI		©			
					CEMEN	<u> </u>						©			
<u>.</u>		ļ						OR SHEATHING				©		+	
	<u> </u>	<u> </u>					SITION OR I	M-E/NA 9188 (PHTHALIC A	MHAUDI	IDE//BUTHALIC AND		0		+	
								CLASS 8, CORROSIVE				Õ		+	+-
					ANHYD		JOLID, IMO	CEAGG G, COMMODIVE	. /////	ERIPAC, GIVEZIA		<u>a</u>			
-			PAINT	RELATE	D MATER	RIAL/FLAMA	AABLE LIQUID/I	NA 1263/COMPOUND, PAI	NT OR L	ACQUER THINNING		a		1	
			PAIN	T, DRY	, LUMF	OR POV	VDERED		٠.	/		Ø			
				CT	3&Q	8516	2//	GN	7152	00/					
				GN		7154		SLSF 1							
				GN		7155	/	SLSF 1							
			·	٠.	•	, 100	-	0201							
C.O.	D. \$	L	_			BE PAID BY	CONSIGNEE	PLACARDED		TENDERED		1_	†FCT. WG	т.	
REMIT T	· O				SHIP	PER	CONSIGNEE	RAIL	<u> </u>	OR PLACAS	ID-TRUCK		FACTOR (# / G)		
								†WEIGHED AT		BY			Received		
								GROSS	RATED			-	S	epayment of the	
							be delivered to the	TARE	CAPACI	TY			the property des		
he carr	without recou ier shall net rful charges.	make o	consignar, felivery e	me consign f this ship	nar shall sign pment with	the following st nout payment	otement: of freight and oll		- out	AGE				Agent or Coshier	
Signati	"∎ ČKO			IES, INC.				ALLNCE.		DME IAGE			Per (The signature	here acknowledg	jes only the
of Con Note: W		is depen		★ bel		uired to state <	pecifically in writing	NET WT.	TOTAL	. °F W			amount prepaid	-	
he relea:	sed or declare	d value o	f the prope	rty. The ag	reed or deci		e property is hereby	PERMAN	<u> </u>	-OFFICE ADDRESS OF SHIP NUE - PITTSBURGH, PA. 15			CHARGES ADV	.NCED	
his is to	certify that the	above n	med mate	right are pro	operly dessifi	ied, described, p	ockaged, marked and dations of the Depart-	†Shipper hereby certifies that this ship			T-		\$	·	
ont of Tre						- obbuccom udi		is shown and is subject to verification and Inspection Bureau having jurisdiction	according to			3N			AGENT
en Sen		W		1/21				PER			PER				
EK	-		1	- 17		2		LC=3'							

EACH B/L MUST BE SIGNED IN LONGHAND

Data in this block	for plant use	only.						
IN .	Å	P M	•	NORANDUM COPY OF	V 1	HECK NO. AMOUNT	AGENTS N) .
BEG.	Â	P M		KE MN-3159511-		1	SHIPPERS N	O.
END	Å	P M	This Memorandum is an acknowledgment that a Bill of Lading	p has been issued and is not.	661-50013	2	KG	55578
OUT	<u> </u>	P M	the Original Bill of Lading, nor a copy or d named herein, and is intended solely for fi		NONE	· ·	- ,	
		sifications and	l lawfully filed tariffs in effect on the date of is	isue of this Bill of Lading, RTLAND OR 972	07/21/	193 tThe fi	bre boxes and/or pails or tubs and, r this Shipment cor	the fibre barrels, or the paper bags form to the specificate and all other re-
he property described	below, in ap	parent good are	der, except as noted (contents and condition of contents	of packages unknown), marked, consigned o	and destined as indicated below, which said co	ompany (the quireme	if any required into the interest of the Uniform	makers certificate and all other re- or National Motor
on its own road or its a	wn water lin	e, otherwise to d	tract as meaning any person or corporation in possession feliver to another carrier on the route to said destination me interested in all or any of said property, that every s	. It is mutually agreed, as to each carrier of	all or any of said property over all or any po	estination, if <u>freight</u> etion of said tShippe	Classifications. er's imprint in lieu o	f stamp not a part of by the Interstate
printed or written, herein	contained, i	ncluding classifica	tion bills of lading conditions, which are hereby agreed to l	by the shipper and accepted for himself and h	is designs.	Comme	rce Commission.	by the interstore
CONSIGNED STREET ADDR			CO ALUMINUM CO			by water	the law requires that the law requires that ther it is carrier's or shi	n two ports by a carrier the bill of lading shall pper's weight.
DESTINATION			GNMENT # 451 OUVER WA 98860					SEE
NAME OF CARRIER		BN RR	·	,	CAR OR VEH. IN. & NO.	CAR OR	VEH. SEAL NO.	
ROUTE		BN RR				IF CHA	RGES ARE TO	
CONSIGNEE'S				TSBURGH PA 1	5219	OR S	RGES ARE TO EPAID, WRITE TAMP HERE BE PREPAID"	REPAID
PACKAGES NO. AND KIND	нм	DOI	SHIPPING NAME/HAZARD C (IF APPLICABLE)	LASS / DESCR	IPTION OF ARTICLES, SPI MARKS & EXCEPTIONS	ECIAL	WEIGHT SJECT TO CORRECTIONS	CLASS OR ✓ RATE
		CORROS	SIVE SOLID, NOS/CORROSIVE	MATERIAL/UN 1759/C	OIL CRUDE COALTAR	0		
			ARDOUS SUBSTANCE, LIQUID			0		
			RDOUS SUBSTANCE, LIQUID, NOS/		LENE)/CRUDE NAPHTHALEN			
· · · · · ·	-		HALENE (LESS THAN 100# PAG RDOUS SUBSTANCE, LIQUID, NOS/O		CDEOCOTE COAL TAB SOUTH	ON 6		
	+		PITCH, COAL OR PETROLEUM		CREOSOIE COAL TAR SOLUTI	ON 5		
· · · · · · · · · · · · · · · · · · ·	1		COAL TAR			ŏ		
			UDE COAL TAR		·	ŏ		
		COAL T	AR DISTILLATE/FLAMMABLE LI	QUID/UN 1136/CRUDE	HEAVY SOLVENT NAPH			
9 HC			ELECTRODE			•		
			ARDOUS SUBSTANCE, LIQUID					
			IG SOLUTION/FLAMMABLE LIC		ATING, ASPHALT, R BASE			
	-		G COATING ASPHALT, PITCH		POOFING CEMENT NO			
	+		T, ROOFING LIQUID/FLAMMA IG CEMENT, NOI	BLE LIQUID/ NA 1133/ N	OUTING CEMENT, NOT	(1)		
	1		PAPER, BUILDING, ROOFING	OR SHEATHING		6		
····	1		IG, NOIBN, COMPOSITION OF			Ŏ		
		RQ HAZAI	RDOUS SUBSTANCE, SOLID, N.O.S./	ORM-E/NA 9188 (PHTHALIC	ANHYDRIDE)/PHTHALIC ANHYD			
		RQ PHT	HALIC ANHYDRIDE, SOLID, IM	O CLASS 8, CORROSIVI	E MATERIAL, UN2214	(
	_		IC ANHYDRIDE			4		
		_	ATED MATERIAL/FLAMMABLE LIQUID	/NA 1263/COMPOUND, PAI	INT OR LACQUER THINNING	<u> </u>		
		PAINT, I	DRY, LUMP OR POWDERED					
		CB& GN	Q 85194 BN 71999 BN	419377/	GN 71994 ✓			
		GN	71526 / SLSF	/ /				i l
		BN	435033 SLSF	182251 🏏 🕺				
†C.O.D. \$	_L		TO BE PAID BY CONSIGNEE	PLACARDED	TENDERED OR		†FCT. WGT.	<u> </u>
REMIT TO				†WEIGHED AT	PLACARD BY	TRUCK	(# / G) Received	
				GROSS	RATED SHELL (GALS.) CAPACITY		\$ to apply in prep the property descri	ayment of the charges
onsignee without reco The carrier shall no	urse on the	consignor, the c	bill of lading, if this shipment is to be delivered to t consignor shall sign the following statement: is shipment without payment of freight and o	TARE	SHELL OUTAGE		-	ent or Cashier
other lawful charges.	OPPERS IN	IDUSTRIES, See ★	INC.	ALLNCE.	+ DOME INNAGE		Per	ere acknowledges only
Note: Where the rat he released or declar	e is depend ed value of	dent on value, the property. T	shippers are required to state specifically in writing the agreed or declared value of the property is here!	NET WT.	TOTAL % @ "F W		charges advan	CED
			nts per pound for each distribution package."	PERMAN	NENT POST-OFFICE ADDRESS OF SHIPPE FENTH AVENUE - PITTSBURGH, PA. 152	ER:	s	
sbeled and are in property sent of Transportation.	per condition	for transportati	are properly classified, described, packaged, marked a ion according to the applicable regulations of the Depa	nd †Shipper hereby certifies that this shi	pment is correctly described; correct weight according to agreement with the Weighing	BN RI		AGEI
COPPERS TACHUST	IKIES; INC ///	Styteser.			İ	oco.		
# Signature of S	hioper Lo	en next above	is also intended as execution of Section 7.	PER		PER		
						17	00	2000

EACH B/L MUST BE SIGNED IN LONGHAND

_	Data in this block fo	or plant use a	only.											
	IN .	.	P M				RANDUM COPY OF S		FRT. C	CHECK NO.	AMOUNT:	AGENTS N	Ю.	
à	BEG.	<u> </u>	M	-1 - 44		MN-	-3159511-05	SHIPPERS OF	RDER NO.	1		SHIPPERS	NO.	
-70	END	A M	P	This Mem	gment that o	M Bill of Lading ho	s been issued and is not	66	1-5001	32XX		. KC	5557	77
	OUT	<u> </u>	Р	the Original Bill	of Lading, n	or a copy or dupli ad solely for filing	cate, covering the property	CONSIGNEE	S ORDER NO.			- Nu	2001	<i> </i>
_		м						NO	NE					
ξE	CEIVED, subject to	o the class	ifications (and lawfully filed tariff	s in effect on I			1	07/21/	93	tThe fibi drums, p	re baxes and/o oils or tubs and his Shipment co et farth in the lif any required ts of the Unifor assifications.	r the fibre ba /or the paper	bags
_				IES, INC.			RTLAND OR 972		DATE		cations s	et farth in the	maker's certi	ficate
90	d company being und	artt bootzreb	oughout this	contract as meaning any per	son or corpora	tion in possession of t	ackages unknown), marked, consigned a he property under the contract) agrees t	carry to its usual place	of delivery at said o	destination - if	quiremen Freight Cl	ts of the Unifor	n or National	Motor
n (its own road or its ow te to destination, and	rn water line I as to each	, otherwise : party at an	to deliver to another carrier y time interested in all or an	on the route to y of said prope	said destinationtr is irty, that every servic	s mutually agreed, as to each carrier of e to be performed hereunder shall be so	all or any of said proper bject to all the condition	ty over all or any po	ortion of said	†Shipper	s imprint in lieu ading approve Commission.	of stamp not a p	art of
_							e shipper and accepted for himself and hi	assigns.			Commerce	Commission.		
_	ONSIGNED T			ALCO ALU			· · · · · · · · · · · · · · · · · · ·				by water, i	ment moves between the law requires the law requires the law requires the law requires or store the law requirements.	it the bill of ladin ipper's weight	g shall
-	REET ADDRE	:55		COUVER W										SEE
-	AME OF		V 2111	COOVER W.				CAR	OR VEH. IN. & NO	 L	CAR OR V	EH. SEAL NO.		
	ARRIER		BN	RR						•				
	OUTE		BN								IF CHAR	GES ARE TO		
_	ONSIGNEE'S	NOTIFI			KODDE	IDC DIE					OR STA	MP HERE PREPAID"	PREPAT	D
	PACKAGES			OT SHIPPING N	AME/H	AZARD CLA	TSBURCH PA SS DESCRI	PTION OF AR	TICLES, SP	ECIAL		WEIGHT	CLASS	Ť
	O. AND KIND	HM			PLICABI			MARKS & EXC			1	CT TO CORRECTION	OR RATE	-
			CORR	OSIVE SOLID, N	105/CC	RROSIVE N	ATERIAL/UN 1759/C	IL CRUDE CO	AL TAR		0			\top
_							NOS/ORM-E/NA 918				Ž			
_			RQ HA	ZARDOUS SUBSTA	NCE, LIQ	UID, NOS/OF	W-E/NA 9188 (NAPHTHA	LENE)/CRUDE N	NAPHTHALEN	ιE	0			
			NAPH	THALENE (LESS	THAN	100# PACK	AGE)				0			
			RQ HA	ZARDOUS SUBSTAI	YCE, LIQU	ID, NOS/ORM	LE/NA 9188 (CREOSOTE)/	CREOSOTE COA	L TAR SOLUT		6			
_			TAR C	R PITCH, COAL	OR PET	ROLEUM, F	PAVING, ROOFING				6			
				E COAL TAR	*						<u> </u>			
				RUDE COAL TA			· · · · · · · · · · · · · · · · · · ·				<u> </u>			
_		1			E/FLAM	MABLE LIQU	JID/UN 1136/CRUDE	HEAVY SOLV	ENT NAPE		9			-
_	<u>9 нс</u>			R, ELECTRODE	CT A LIGH		100/00115/111 010	CRECCOTE	\ CDE-066		$\mathbf{Q} \mid$		 	+-
_	-						NOS/ORM-E/NA 918		:)/CREOSC				 	 -
				ING SOLUTION				BASE			(D)		 	+
_					_		E LIQUID/NA 1133/R	OOFING CEA	AENT NO		Ø		 	+-
	···			ING CEMENT,		LAMMADE	E EIGOD/NA 1155/K	OOI II O CEN	ALINI, INOI		G			+
-	· · · · · · · · · · · · · · · · · · ·			OR PAPER, BUIL		OOFING O	OR SHEATHING				Ö		†	+-
_		-		ING, NOIBN, C							Ŏ			+
_				·			M-E/NA 9188 (PHTHALIC A	NHYDRIDE)/PHT	HALIC ANHY		0			
_	***************************************	\rightarrow		·			CLASS 8, CORROSIVE				©			
			PHTH	ALIC ANHYDRIC	E						4			
			PAINT !	RELATED MATERIAL	/FLAMMA	BLE LIQUID/N	IA 1263/COMPOUND, PAI	NT OR LACQUE	THINNING		4			
			PAINT	, DRY, LUMP O	R POWI	DERED					22		ļ	
			SLS	F 182008	1	NP	75322 / NI	753	337 /					
			GN	71578		CB&Q	85120 /	.,,,,						
			GN	71536		CB&Q	85178				- 1			
		-	NP	75619			119421							
H	C.O.D. \$	11		TO BE F			PLACARDED	TENDERE	D			fFCT. WGT		 .
<u>.</u>	MIT TO			SHIPPER		CONSIGNEE	RAIL	OR .	PLACAR	D-TRUCK		FACTOR (# / G)		
							†WEIGHED AT		BY			Received		
							GROSS	RATED SHELL (GA	LS.)				payment of the c	harges on
				ble bill of lading, if this sh			TARE	CAPACITY SHELL				the property desc	ribed hereon.	
h	ragnee withour recou e carrier shall ne rer lawful charges.	t make d	elivery of	he consignor shall sign the this shipment without	payment of	freight and all		- OUTAGE			<u>-</u>		gent or Cashier	
. :	Signature KO	PPERS IN					ALINCE.	+ DOME INNAGE				Per (The signature	here acknowledge	a only the
_		e is depend		★ below ue, shippers are required	to state spec	itically in writing	NET WT.	TOTAL @ °F	·% W	 ,		amount prepaid.		
10	released or declare	ed value of	the proper	ty. The agreed or declared cents per pound for each	value of the p	property is hereby	PERMAN	ENT POST-OFFICE A	DORESS OF SHIPE	PER:		CHARGES ADVA	RLED ,	
his	is to certify that the	e above na	med materi	ofs are properly classified	lescribed, sort	aged, marked and	436 SEV	ENTH AVENUE - PITT	SBURGH, PA. 15	219		S		
-	at of Transportation.			als are properly classified, o pration according to the ap	plicable regular	tions of the Depart-	†Shipper hereby certifies that this shi is shown and is subject to verification	according to agreement		1	BN R	3		_AGENT
(C	PPERS INTUINE	RIES, INC	C. Shipp	7.1		i	and Inspection Bureau having jurisdiction							PADEISI
ŧ	R_///	y	ff	pove is also intended as exe	andre de la	7	PER			PER				
	a squarure of 3	TO S TOWARD	www.next.db	west to Debnern tend of exe	comon or Secti	v / .							DI AMIT C	·

EACH B/L MUST BE. SIGNED IN LONGHAND

	Date in this block fo	r plant use	only.								, .					— - -	
	IN BEG.	Â	P M		•	(RANDUM C			IT (FRT. CHEC	CK NO. A	MOUNT	AGENTS NO	5 .	
8	BEG.	м	M	-1			. М	N-31595	11-04	SHIPP	ERS ORDER NO	o			SHIPPERS N	Ю.	
ž	END	A M	, ,	is gr	n acknowl	morandi ledgment the	at a Bill of Ladina h	as been issued and i	s net	66	61-50	0132X	X		- KG		7.0
	OUT	A	P	the	Original 8	kill of Loding	, nor a copy or dupled and a copy of dupled and a copy or dupled a copy or dupled and a copy or dupled a c	icate, covering the p	roperty	1	SIGNEES ORDE	R NO.	,£1		Nu	5557	<i>l</i> b
- -	CEIVED subject to	M		. 41 4-11						NO	ONE					and the second	mar.
R	OM KO	PPERS	NDUSTRI	ES, INC.			AT POR	of this Bill of Loding	R 972		DATE		3	drums, poused for to cations set thereon (e boxes and/or pils or tubs and, his Shipment con et forth in the if any required is of the Uniform assifications.	for the paper form to the spi maker's certifi and all othe	bags ecifi- icate r re-
-	a company being und	erstood th	roughout this c	contract as m	eaning any	person or corpo	aration in possession of	packages unknown), mark the property under the c	contract) garees to	corry to its usua	al place of delive	ery at said destin	any (the nation, if	guirement Freight Clo	s of the Uniform	r or National A	Aotor
oyl	e to destination, and	as to eac	party at any	time interest	ted in all or	any of said or	sperty, that every servi	is mutually agreed, as to ce to be performed here he shipper and accepted f	under shall be us	hiers to all the c	I property over a conditions not pro	rll or any portion phibited by law,	of said whether	†Shipper's bill of la	s imprint in lieu o ding approved Cammission.	istamp not a po by the inter	art of state
_	ONSIGNED T					INUM		he shipper and accepted t	for himself and his	ossigns.							
_	REET ADDRE					# 45								by water, ti state wheth	ment moves between the low requires that er it is carrier's or shi	the bill of lading pper's weight.	shall
_	STINATION					9886				-							SEE
٧,	AME OF ARRIER	E	3N RR	₹						,	CAR OR VEH.	IN. & NO.		CAR OR VI	EH. SEAL NO.		الحبص
3	OUTE	E	N RR	₹					-					IF CHARE	GES ARE TO	· · · · · · · · · · · · · · · · · · ·	
Ç	ONSIGNEE'S	NOTI	ICATION	N ADDR	ess K	OPPE	RS PITT	SBURGH I	PA					OR STA	AID, WRITE MP HERE PREPAID"	PREPA	ΙD
	PACKAGES O. AND KIND	нм	DC	OT SHIP		NAME/I	HAZARD CLA BLE)	ASS		PTION O				\	WEIGHT	CLASS OR RATE	√
			CORRO	OSIVE S	SOLID,	NOS/C	ORROSIVE A	MATERIAL/UN	1759/0	IL CRUDE	COAL T	AR		D			
_			RQ HA	ZARDO	DUS SI	JBSTAN	CE, LIQUID,	NOS/ORM-E	/NA 9188	3 (NAPHT	HALENE)	•	3	-		
			RQ HAZ	ZARDOU	S SUBS	TANCE, LI	QUID, NOS/O	RM-E/NA 9188	(NAPHTHA	LENE)/CRU	JDE NAPH	THALENE		3			<u> </u>
			NAPH1	THALEN	4E (FE	SS THAN	1 100# PACK	AGE)						9			
								M-E/NA 9188 (CF		CREOSOTE	COAL TAR	SOLUTION		3			1
			 		<u> </u>	AL OR PI	ETROLEUM,	PAVING, ROC	OFING		· · · · · · · · · · · · · · · · · · ·			9			
_			CRUDE														
		<u> </u>	———	RUDE (····		9			—
							MMABLE LIQ	UID/UN 1136	CRUDE	HEAVY S	OLVENT	NAPHTE		9			
	9 HC			R, ELEC			CF HOUR	1105/08/4 5	· · · · · · · · · · · · · · · · · · ·	. (CDE OC	OTEL (CE	FOCOTO		D			-
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								LE LIQUID/NA	1122/0	OOEING	CEMENIT	NOL		D			+
-				NG CE			/ FLAMMAD	LE LIQUID/ NA	1133/K	OOFING	CEMEIA	, NOI		B			+-
-							POOFING	OR SHEATHIN	ıc.					B			+-
							SITION OR		·					Ď			+
_								RM-E/NA 9188 (F	PHTHALIC A	NHYDRIDE	/PHTHALIC	ANHYDRI		Ď			
_		·						CLASS 8, CC						Ð			+
			PHTHA				000.070	02, 100 0, 00			,			D			 -
			_				AABLE LIQUID/	NA 1263/COMP	OUND, PAII	NT OR LAC	QUER THIN	INING.		D			
						OR POY	,	<u>, </u>						22			
			NP BN GN BN	4	7532 1937 7152	75// 18//	CB&Q NP NP np	85166 [/] 75383 [/] 75330 [/] 75392 [/]	N	IP 75	5350 _/ /	<i>-</i> -					
t	C.O.D. \$	i	1	T	TO BE	PAID BY	CONSIGNEE	PLACARDED		TEN OR	IDERED				†FCT. WGT.		
RE.	MIT TO			· · · · · · ·				TWEIGHED AT	RAIL			PLACARD-TRI	XCK		(# / G)		
								WEIGHED AT				, , , , , , , , , , , , , , , , , , ,			Received		
								GROSS		RATED SHELL	(GALS.)					ayment of the cho	arges on
ut	ject to Section 7 of signee without recou	Condition	s of applicab	ole bill of lac	ding, if this	shipment is to	be delivered to the	TARE		CAPACITY SHELL					the property descri	bed hereon.	
ь	carrier shall not or lawful charges.	make	delivery of	this shipm	ent witho	nt bakineut	ef freight and all			OUTAGE	<u> </u>				4	ent or Cashier	
, 5	ignature (KOI		NDUSTRIE					ALLNCE.		+ DOME INNAGE	:				(The signature he	ere acknowledges	only the
-				e shippers		ed to state or	secifically in writing	NET WT.		TOTAL	• _E	·%			amount prepaid.)		
he		d value o	f the property	y. The agree	ed or declar	red value of th	e property is hereby	<u> </u>		@	*f				CHARGES ADVANK	CED	
							. <u></u>	1.	PERMAN 436 SEVI	ENT POST-OFF ENTH AVENUE	HCE ADDRESS PITTSBURG	OF SHIPPER: H, PA. 15219			\$		
his Iba	is to certify that the led and are in prop- t of Transportation.	abave n er conditio	amed material m for transpor	ls are prope riation accord	rly classified ding to the	l, described, po applicable requ	ackaged, marked and dations of the Depart-	†Shipper hereby certifics shows and is subject									
C	PPERS INTOST	RIES, IN	C., Shippe	y.				and Inspection Bureau				-	BN	_RR			AGENT
E	R <i>_///_/</i>	111		ul				PER				PI	ER		·		
	Sourcture of SI	ipper's o	gent fext abo	ove is also in	tended as i	execution of Se	ection 7									DI ANIT CO	20V

EACH B/L MUST BE SIGNED IN LONGHAND

	Data in this black	for plant us	e anly.	1		_							
	riuck (N	<u>^</u>	P M		•	1	RANDUM COPY OF S		FRT. CHECK NO	. AMOUNT	AGENTS N	10.	
١٩	BEG.	Â	_ ĸ				MN-3159511-03		ORDER NO.		SHIPPERS	NO	
Z	END	· A	P		his Memo	randum ment that a Bill of Loding ha		1	661-500132	xx	KC	ccc.	7 =
-			M P	the	e Original Bill o	f Lading, nor a copy or dupli d is intended solely for filing	cate, covering the property		EES ORDER NO.		- Nu	555	13
Ľ	OUT	À]					NONE		•		
RE	CEIVED, subject	to the cla	ssifications	and lawfu	ally filed tariffs	in effect on the date of issue	of this Bill of Lading,		07/21/93	†The fit drums,	ore boxes and/o pails or tubs and	r the fibre b l/or the paper	arrels, r bags
FR	OM K	OPPERS	INDUSTI	RIES, INC		AT POR	LAND OR 972	LO	DATE	used for cations	pre boxes and/opails or tubs and this Shipment conset forth in the (if any required nts of the Unifor Classifications.	mform to the s	pecifi- ificate
the	property described	below, in o	ipparent god	od order, exce	ept as nated (conte	ents and condition of contents of p	ackages unknown), marked, consigned a the property under the contract) agrees to	nd destined as indicate	ed below, which said company (the	duireme	nts of the Unifor	m er National	Motor
on i	its own road or its o	wn water li	ne, otherwise	e to deliver to	another carrier o	s the route to said destination. It is	s mutually agreed, as to each carrier of to be performed hereunder shall be su	all or any of said prop	verty over all or any portion of sai	†Shippe	r's imprint in lieu lading approve ce Commission.	of stamp not a	part of
		contained,	including da	ssification bills	of lading condition	s, which are hereby agreed to by th	e shipper and accepted for himself and his		on not promoted by row, when				
<u>cc</u>	ONSIGNED				ALUMI					"If the Sh by water.	ipment moves betwee the law requires th	en two perts by a at the bill of lodi	ng shall
ST	REET ADDR					SIGNMENT #	451			Mare was	ther it is carrier's or s		SEE
DE	STINATION		VANC	OUVE	R WA	98860	<u> </u>						
	AME OF			_				CAF	R OR VEH. IN. & NO.	CAROR	VEH. SEAL NO.		
_	ARRIER		3N R					· · · · · · · · · · · · · · · · · · ·		IF CUA	DOES ARE TO		
_	DUTE		3N R		***	2222				BE PRE	RGES ARE TO PAID, WRITE AMP HERE E PREPAID"		
<u>CC</u>	ONSIGNEE'	NOTI				OPPERS PITT					E PREPAID"	PREPA CLASS	IP_
	PACKAGES O: AND KINE	нм			(IF AP	AME/HAZARD CLA PLICABLE)		MARKS & EX		ł	WEIGHT JECT TO CORRECTION	OR RATE	~
_			COR	ROSIVE	SOLID, N	OS/CORROSIVE M	MATERIAL/UN 1759/C	IL CRUDE C	OAL TAR	0			
			RQ H	AZARD	OUS SUB	STANCE, LIQUID, I	NOS/ORM-E/NA 9188	(NAPHTHA	LENE)	9			
		_	RQ HA	AZARDO	US SUBSTAN	NCE, LIQUID, NOS/OF	RM-E/NA 9188 (NAPHTHA	LENE)/CRUDE	NAPHTHALENE	3		L	
			NAPI	HTHALE	NE (LESS	THAN 100# PACK	AGE)			4		<u> </u>	
_		_					1-E/NA 9188 (CRÉOSOTE)/	CREOSOTE CO	DAL TAR SOLUTION	<u> </u>		ļ	—
_						OR PETROLEUM, I	PAVING, ROOFING			<u> </u>			
_		_		DE COA			·			0		ļ	—
_			+ <u>-</u>		COAL TAI		UD (III) 1324 (CRUDE	115 1107 601	VENT NIA DUTLIA	0			+
-		-}				/FLAMMABLE LIQ	UID/UN 1136/CRUDE	HEAVY SOL	VENT NAPHTHA	9			_
_	9 HC				CTRODE	STANCE HOURS	NOS/OBA E/NA 019	CPEOSOT	EV/CREOSOTE OI	0			-
_		-}				FLAMMABLE LIQU	NOS/ORM-E/NA 9188	ATING, ASPHALT,	E)/ CREOSOTE OI	Ø		-	+-
			+			ASPHALT, PITCH C		BASE	-	B			+-
		-	+				E LIQUID/NA 1133/R	OOFING CE	MENT NOI	Ö		-	_
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_		<u> </u>				OMPOSITION OR I				Ď		 	
		_	RQ HA	AZARDOL	JS SUBSTAN	CE, SOLID, N.O.S./OR	M-E/NA 9188 (PHTHALIC A	NHYDRIDE)/PI	THALIC ANHYDRIDE	0			
_							CLASS 8, CORROSIVE			1			
			PHTH	ALIC A	NHYDRID	E				@			
			PAINT	RELATE	MATERIAL/	FLAMMABLE LIQUID/N	NA 1263/COMPOUND, PAI	NT OR LACQU	ER THINNING	a			
_			PAIN	T, DRY	, LUMP OF	POWDERED				Ø		ļ	
			CB NP	Q&	85140 75399		435027/ 182067/	GN 71	.991				
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†(C.O.D. \$		1		TO BE PA		PLACARDED	TENDE	RED	- 1	†FCT. WG		
RE	MIT TO						RAIL		PLACARD-TRUCK		(# / G)		
					•		†WEIGHED AT		ВУ		Received		
						•	GROSS	RATED SHELL (C	GALS.)			payment of the	charges on
						ment is to be delivered to the	TARE	CAPACITY			the property des	ribed hereon.	
The	rsignee without rec e carrier shall t ver lewful charge	et make	- delivery o	, me consign of this ship	oment without p	payment of freight and all		OUTAGE			_	gent or Cashier	
, :	Signature K			RIES, INC.			ALLNCE.	+ DOME INNAGE			(The signature	here acknowledg	ges only the
÷		te is dene		★ belo		o state specifically in writing	NET WT.	TOTAL	* *		amount prepaid		
the	released or decla	red value	of the prope	erty. The agr	eed or declared v	is state specifically in writing ralue of the property is hereby fistribution package."		L			CHARGES ADVA	NCED	
_						· · · · · · · · · · · · · · · · · · ·	PERMAN 436 SEV	ENT POST-OFFICE ENTH AVENUE - P	ADDRESS OF SHIPPER: ITTSBURGH, PA. 15219		<u> </u>		
iob:	i is to certify that : eled and are in pr nt of Transportation.	ne above oper condit	named mate ion for trans	enais are pro portation acc	perty classified, de ording to the appl	ncribed, packaged, marked and licable regulations of the Depart-	†Shipper hereby certifies that this shi is shown and is subject to verification			BN	D D		
KC	PPERS HOUS	TRIES, II	NE. Shi	900	1		and Inspection Bureau having jurisdiction		-	מוט	1/1/		AGENT
PE	R ///4	uj	//	121			PER		PER				
	/	-		-									

EACH B/L MUST BE SIGNED IN LONGHAND

TRUCK		ρ	ı			\frown						T				
IN	Ä	<u> </u>	ĺ		(() M	_	RANDUM COPY OF S		τ (΄	FRT. CHECK NO.	. AMOUN	IT AC	SENTS NO).	
BEG.	M.	. Р М	İ					OF LADING—SHORT -3159511-02		RS ORDER NO		13	ISH	IPPERS N	o.	
END	Å	P			lemoran								1		-	
OUT	<u> </u>	м ,	į #1	he Origin	al Bill of Lodi	ng, nor a copy itended solely	or dupl	as been issued and is not: leate, covering the property	CONS	GNEES ORDER	500132X	,X		NG	555	74
OUT	Ä	M				•		•		NONE			. [• •
RECEIVED, subject to	the clas	sifications	and lawf	fully filed	tariffs in effe	ct on the date	of issue	of this Bill of Lading,	<u>.</u>		20/93	†The	fibre boxes	and/or	the fibre b	arreis. r baas
FROM KO	PPERS I	NDUST	IES, INC	c		AT _I	POR	TLAND OR 9721	LO	DATE	20/93	used t	for this Ships is set forth	nent con in the	the fibre b for the pape form to the s maker's cert and all oth or National	specifi- ificate
more company being unc	eustoog ist	rougnout mix	s contract as	s meaning	ony penson or co	Proporation in poss	ession of	ackages unknown), marked, consigned an the property under the contract) agrees to	carry to its usual	place of deliver	e at soid destination if		on (if any r ments of the it Classification	equired) Uniform	or National	Motor
on its own road or its ow route to destination, and	n water lin as to each	e, otherwise a party at a	to deliver t ny time inte	to another rested in a	carrier on the ro	oute to said destin	nation. It i	s mutually agreed, as to each carrier of a	Il or any of said	nennerty aver all	or any parties of said				stamp not a by the Inte	part of
printed or written, herein	contained, i	ncluding cla	sification bil	lls of lading	canditions, which	are hereby agree	ed to by th	e shipper and occepted for himself and his	assigns.							
CONSIGNED T STREET ADDRE												by wat	Shipment Movier, the law rec hether it is carr	es betwee juires that ier's or she	n two ports by a the bill of ladi pper's weight.	ng shell
DESTINATION					C # 45 VA 988			·								SEE
NAME OF		ANC	OUVI	CK V	IA 900	860		 .		CAR OR VEH.	N. & NO.	CARC	OR VEH. SEAL	NO.		كج
CARRIER	F	BN R	R					•				1				
ROUTE		3N R							· · · · · ·			IF CH	IARGES ARE REPAID, WI	10		
CONSIGNEE'S	NOTIF	ICATIO	N ADD	PRESS	KOP	PERS I	TIS	TSBURGH PA				OR "TO	STAMP HI	5 R E	PREPA	TD.
PACKAGES	нм	D	OT SH		G NAME	/HAZARE	CL/	ASS / DESCRIF			S, SPECIAL		WEIGI	1	CLASS OR	
NO. AND KIND	mm			<u> </u>	FAPPLIC				MARKS &			rs	UBJECT TO COR	RECTIONI	RATE	
	<u> </u>							MATERIAL/UN 1759/O			AR	0				
	<u> </u>							NOS/ORM-E/NA 9188				0			 ;	
	<u> </u>					UQUID, NO		M-E/NA 9188 (NAPHTHAL	ENE)/CRUI	JE NAPHII	HALENE	9			· · · · · · · · · · · · · · · · · · ·	
								AE/NA 9188 (CREOSOTE)/(PEOSOTE (COAL TAR	SOUTION	9				+-•
	-							PAVING, ROOFING	INCOSOTE V	COAL TAR	30LUTION	6				+
***************************************			E CO			LINOLL	0111, 1	Aviivo, kooriiko				ŏ				
			CRUDE									ð				+
		COA	TAR I	DISTIL	LATE/FL/	AMMABLE	LIQ	UID/UN 1136/CRUDE	HEAVY S	OLVENT	NAPHTHA	Ď				
- 9 HC		BIND	ER, ELE	ECTRO)DE							0				
								NOS/ORM-E/NA 9188		OTE)/CRI	EOSOTE OIL					
								JID UN 1139/ ROOFING COA	TING, ASPHALT, IASE			Ø				
					~			R TAR BASE				B				
						ID/FLAM	WARL	E LIQUID/NA 1133/RO	DOFING (LEMENI,	NOI	Q				
					NT, NOI	BOOEI	NG (OR SHEATHING				(b)				+
	<u> </u>					· <u> </u>	<u>-</u>	PREPARED				Ø				+
	 							M-E/NA 9188 (PHTHALIC AI	VHYDRIDE)/	PHTHALIC	ANHYDRIDE	Ö				+
								CLASS 8, CORROSIVE				Ø				
			ALIC A	-						·		a				
		PAINT	RELATE	D MAT	RIAL/FLA	MABLE LIG	QUID/1	NA 1263/COMPOUND, PAIN	IT OR LACG	UER THIN	NING	4				
		PAIN	Γ, DRY	, LUM	P OR PG	WDERED)					Ø				
			BN	435	415√	/ s	LSE	82316	MXXX	XXXKX					•	
•			np		5303			r 438033√, B	N 419			1		1		
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			GN	7	1551 ⁷		NE	75305								
tC.O.D. \$	L	L		T TC	BE PAID BY			PLACARDED	TEND	DERED		1	†FCT	. WGT.		
REMIT TO					IPPER	CONSI	GNEE	RAIL	OR_		PLACARD-TRUCK		FAC	TOR / G)		
KEMII TO								TWEIGHED AT			ВҮ		Received			
								GROSS	RATED							
Subject to Section 7 of	Condition	s of applic	ble bill of	ladina if	this shipment i	to be delivered	d to the		SHELL CAPACITY	(GALS.)	···		to appl	y in prepo erty describ	syment of the cod hereon.	charges on
consignee without recou The carrier shall ne	rse on the	consignor,	the consign	nor shall sig	an the following	statement:		TARE	- SHELL OUTAGE						mt or Cashier	
ather lawful charges.		NDUSTR				•		ALLNCE.	+ DOME				Per			
(of Consignor) Per	_	See	★ bel	low			-	NET WT.	TOTAL		*			prepaid.)	ere acknowledge	as only the
Note: Where the rate he released or declare	d value of	the prope	rty. The ag	reed or de	clared value of	the property is	writing hereby		@	°F	<u>~</u>		CHARGE	S ADVANC	ED	
tated by the shipper to	De not ex	ceeding 17	D cents pe	er pound fa	r each distribu	tion package."		PERMANE 436 SEVE	NT POST-OFF	CE ADDRESS (OF SHIPPER: , PA. 15219		s			
his is to certify that the abolio and are in prop	above no	med mater n for transp	als are pro	operly class cording to	ified, described the applicable of	, packaged, mark egulations of the	ted and Depart	†Shipper hereby certifies that this ships	nent is correctly	described; correc	t weight P	N RF				
KOPPERS INDUST					-			is shown and is subject to verification of and Inspection Bureau having jurisdiction.	ccording to agree	ement with the \	veighing D	1/1	<u> </u>			_AGENT
PER	ju	1						PER			PER					
		//														

EACH B/L MUST BE SIGNED IN LONGHAND

Data in this black fo	r plant use only.									
TRUCK IN	Å P			RANDUM COPY OF	,	FRT. CHECK NO.	AMOUNT	AGENTS N	О.	
BEG.	A P M M	,		OF LADING—SHORT	FORM SHIPPERS ORDER		S	C. HOOSE A		
END	A P	This Memorandu	m	-3159511-01	1			SHIPPERS		
OUT	M . M.	is an acknowledgment that the Original Bill of Lading, n named herein, and is intend	or a come or dual	icate :/overing the preparty	CONSIGNEES OR	00132XX DER NO.		→ KG	5557	73
	M M				NONE					
	the classification	ns and lawfully filed tariffs in effect or	_	e of this Bill of Lading, LAND OR 97210) _{DA} .	TE 07/20/9	drums, pa	boxes and/o ils or tubs and is Shipment co it forth in the f any required s of the Uniforn ssifications.	r the fibre bar or the paper nform to the sp	rrels, bags ecifi-
he property described by	How, in apparent go	ood order, except as noted (contents and con-	dition of contents of	pockages unknown), marked, consigned ar	d destined as indicated below	, which said company (the	thereon (i	f any required s of the Uniforn	and all other or National P	r re- Motor
rord company being und in its own road or its owi	erstaad throughout th n water line, otherwis	his contract as meaning any person or corpora ise to deliver to another carrier on the route to	ntion in possession of	the property under the contract) agrees to is mutually careed, as to each corrier of a	carry to its usual place of de	livery at said destination, if	Freight Cla	ssifications.	of stamp not a p	art of
winted or written, herein c	ontained, including ch	any time interested in all or any of said prop- lassification bills of lading conditions, which are h	ereby agreed to by #	te to be performed hereunder shall be sul he shipper and accepted for himself and his	oject to all the conditions not assigns.	prohibited by law, whether	bill of la Commerce	imprint in lieu o ding approved Commission	by the Inter	state
CONSIGNED TO		ALCO ALUMINUM	CO				"If the Ships by water, th	ment moves between le low requires tho ir it is carrier's or sh	en two ports by a or the bill of lading	carrier shall
STREET ADDRE		SIGNMENT # 451					state whether	r it is carrier's or sh	· /-	SEE
DESTINATION	VANC	COUVER WA 9886	0				<u> </u>		<u>\</u>	3,51
NAME OF CARRIER	DAT F	nn '			CAR OR VE	EH. IN. & NO.	CAR OR VE	H. SEAL NO.		
	BN F	RR					IE CHARG	ES ADE TO		
CONSIGNIES			DC MAN	MUN DIMMODUD	3. D. 3.50	7.0	BE PREPA	AID, WRITE MP HERE PREPAID"		
i		ON ADDRESS KOPPE DOT SHIPPING NAME/H			TION OF ARTIC		' 1		PREPA]	Ψ_
PACKAGES NO. AND KIND	нм	(IF APPLICABI		/	MARKS & EXCEP	,	1	VEIGHT	OR RATE	-
		ROSIVE SOLID, NOS/CO					0			_
		HAZARDOUS SUBSTANC					2			1_
		AZARDOUS SUBSTANCE, LIQ	i'		ENE)/CRUDE NAP	HTHALENE	0		••	<u> </u>
		HTHALENE (LESS THAN			200000000000000000000000000000000000000		9		<u>.</u>	₩
·		AZARDOUS SUBSTANCE, LIQU		· · · · · · · · · · · · · · · · · · ·	REOSOTE COAL TA	AR SOLUTION	9			-
		OR PITCH, COAL OR PET	ROLEUM,	PAVING, ROOFING			9			
		CRUDE COAL TAR	······································				0			+-
		CRUDE COAL TAR	MARIE IIO	UID/UN 1136/CDUDE	HEAVY SOLVEN	T NA DUTHA	Ö			+-
10 HC	-	DER, ELECTRODE	MADLE LIQ	DUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA			Ď			+
10 nc		HAZARDOUS SUBSTANC				+				
		TING SOLUTION/FLAM				SKEGGGTE GIE	Ø .			+
		FING COATING ASPHA	B	·		+				
		NENT, ROOFING LIQUID/	Ŏ			1				
		FING CEMENT, NOI	Œ			 				
	FELT	OR PAPER, BUILDING, F	PER, BUILDING, ROOFING, OR SHEATHING							
	ROO	DFING, NOIBN, COMPOS	SITION OR	PREPARED	0					
	RQ H	AZARDOUS SUBSTANCE, SOLI	D, N.O.S./OF	M-E/NA 9188 (PHTHALIC A	(B)	·				
	RQ F	PHTHALIC ANHYDRIDE, S	OLID, IMO	CLASS 8, CORROSIVE	(1)			┷		
		HALIC ANHYDRIDE								
		T RELATED MATERIAL/FLAMMA		NA 1263/COMPOUND, PAIN	IT OR LACQUER TH	INNING	<u> </u>		· .	+
	PAIN	NT, DRY, LUMP OR POWI	DERED				Ø			-
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		NP 75311 CB	28 RRX Q&	BN 4	75013⁄ c	B&Q 8510	3 —			
·	SI	LSF 82235//SL	SF 82		19561 🏑					
	LL		NP 75		19495/				<u> </u>	1
C.O.D. \$		TO BE PAID BY	CONSIGNEE	PLACARDED	TENDERED -			†FCT. WGT. FACTOR		
REMIT TO				†WEIGHED AT		PLACARD-TRUCK BY		(# / G) Received		
		•			RATED			S		
-			-	GROSS	SHELL (GALS.) CAPACITY			to apply in prep the property descr		arges o
onsignee without recou	rse on the consignor	icable bill of lading, if this shipment is to b r, the consignor shall sign the following state	ment:	TARE	SHELL					
ther lewful charges.		of this shipment without payment of	treight and all	ALLNCE.	OUTAGE .		····-	Per Ag	jent or Cashier	
Signature KOI of Consignor) Per	PPERS INDUSTI	RIES, INC.		racki rote.	INNAGE			(The signature h	ere acknowledges	only th
Note: Where the rate	is dependent on v	value, shippers are required to state spec		NET WT.	TOTAL @ °F	% W		CHARGES ADVAN		
		erry. The agreed or declared value of the a 170 cents per pound for each distribution p		PERMANE	INT POST-OFFICE ADDRE	SS OF SHIPPER:	-	CHARGES ADVAN		
his is to certify that the	above named move	erials are properly dassified, described, pack	oged, marked and	436 SEVE	NTH AVENUE - PITTSBUR	IGH, PA. 15219		s		
rbeled and are in prope ent of Transportation.	er condition for trans	sportation according to the applicable regular	tions of the Depart	†Shipper hereby certifies that this ship is shown and is subject to verification of			RR			AGEN
OSSESS MOUST	RIES, INC.,73hi	Marine O		and Inspection Bureau having jurisdiction.			, Na			AGE 140
ER // /	m / f	ux_		PER		PER			······	
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HALL-BUCK MARINE, IBC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

SHIP NAME :SOCOPL STAR LOAD DATE :07/22/93 CUSTOMER :KOPPERS PRODUCT :PRECIL PITCH

PRINTED 07/22 10:52 AM

KOPPERS VIA BBRR/ BH 419371 07/15 07/15 KOPPERS VIA BBRR/ BH 419375 07/15 07/15 KOPPERS VIA BBRR/ BH 419377 07/15 07/15 KOPPERS VIA BBRR/ BH 419388 07/15 07/15 KOPPERS VIA BBRR/ BH 419421 07/15 07/15 KOPPERS VIA BBRR/ BH 419495 07/15 07/15 KOPPERS VIA BBRR/ BH 419561 07/15 07/15 KOPPERS VIA BBRR/ BH 435027 07/15 07/15 KOPPERS VIA BBRR/ BH 435033 07/15 07/15 KOPPERS VIA BBRR/ BH 435415 07/15 07/15 KOPPERS VIA BBRR/ BH 435425 07/15 07/15 KOPPERS VIA BBRR/ BH 435474 07/15 07/15 KOPPERS VIA BBRR/ BH 435013	19-2	HOLD 1 & 2
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VIABN/ADDLJUM BR

457839 6

07/16

HALL-BUCK MARINE, INC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

LOAD DATE	:SOCOPL STAR :07/22/93 :KOPPERS :PENCIL PITCH				PRINTED 07/2 10:52 A				
SHIPPER KOPPERS KOPPERS KOPPERS KOPPERS	REMARKS VIA BURR/ VIA BURR/ VIA BURR/ VIA BURR/	CAR RP RP RP	NUMBER 75311 75320 75322 75330	DA1 WBIGHT SHIP! 07/1 07/1 07/1	PBD RC TRACINO 15 15 15 15 15	G COMMERTS		1 & 2 1 & 2 1 & 2	
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			80	5,260 H/T	RST. WT. DI			Survey wt =	,
POLLOWING	CARS RETURNED (CARS NOT NEE	TO BN	RR	6,257 H/T		SCHARGED FROM N		70TAL =	5, 278.310

Koppers009299

ROLOAD

PAGE 3

HALL-BUCK MARINE, INC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

SHIP NAME : SOCOPL STAR	PRINTED
LOAD DATE :07/22/93	07/22
CUSTONER : KOPPERS	10:52 AK
PRODUCT : PRNCIL PITCH	

					DATE				DATE	#
SHIPPBR	RBMARKS	CAR	NUMBBR	WBIGHT	SHIPPED	RC	TRACING	CONNENTS	LOADED	HOLD
KOPPERS	VIA BBRR/	CBQ	85159		07/15					NOLOAD
KOPPBRS	VIA BBRR/	CBQ	85197		07/15					HOLOAD
KOPPERS	VIABB/ADDLJUN	CRDX	6121 •		07/16					NOLOAD
KOPPERS	VIA BBRR/	GH	71507		07/15					NOLOAD
KOPPERS	VIA BERR/	GD	71512		07/15					ROLOAD
KOPPBRS	VIABB/ADDLJUN	GTAX	20084 -		07/16					ROLOAD
KOPPERS	VIABR/ADDL	N P	75308		07/19					NOLOAD
KOPPERS	VIABN/ADDL	N P	75343		07/19					NOLOAD
KOPPERS	VIA BERR/	SLSP	82164		07/15					NOLOAD
KOPPBRS	VIABR/ADDL	SLSP	82228		07/19					NOLOAD
KOPPERS	VIABN/ADDL	SLSP	82358		07/19					ROLOAD
KOPPERS	VIA BBRR/	SLSF	182052		07/15					NOLOAD

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns Report No.:

57520R

Surveyor:

PM

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Socofl Star

Voyage No.:

4

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY:

Coal Tar Pitch

Port of Portland

	INIT	IAL SURVEY	FIN	AL SURVEY		
DATE:		19-Jul-93		22-Jul-93		
TIME:		18:30		6:30		
DISPLACEMENT						
Draft Forward:		5.5180		2.5870		
Draft Aft:		5.9020		3.1140		
Midships-Port		5.6800		2.6700		
Midships-Starboard		5.7000		2.8500		
Mean of Means (Corrected)		5.6950		2.7826		
Corresponding Displacement:		8,841.87		4,027.06		
Trim Correction:		14.80		-16.91		
Density Correction:	1.000	-216.02	1.000	-97.81		
Corrected Displacment:		8,640.65		3,912.34		
DEDUCTIONS:						
Fuel Oil:		62.00		62.00		
Diesel Oil:		60.00		57.00		
Fresh Water:		120.00		112.00		
Ballast Water:		199.00		760.00		
Others:		15.00		15.00		
TOTAL:		456.00		1,006.00		
INITIAL DISPLACEMENT:		8,184.65	M/Tons:	5,278.31		
FINAL DISPLACEMENT:		2,906.34	L/Tons:	5,194.94		
TOTAL CARGO:		5,278.31	S/Tons:	5,818.33		

Original Signed by Chief Officer

Chief Officer

Socofl Star

Surveyor

Captain Peter J. Morrison



INTEROFFICE CORRESPONDENCE

To: Amos Kamerer

From: John A. Oxford

Location: Portland Terminal

Location: Portland Terminal

Subject: Unloading Chinese Ship

Date: July 30, 1993

The following is a report of the unloading of Coal Tar Pitch from the Socofl Star. This vessel carried Chinese Pitch and arrived on berth 1800 hours on 7/19/93. We began discharging pitch into rail cars at 1925 hours 7/19/93 and we completed at 0230 hours 7/22/93. This ship was one of the best we have received for configuration purposes. The sides were straight, the holds were square with no ribs or tween decks. In all clean-up was very fast and orderly. The only problem incurred was the bulk head between hold # 1 and # 2 contained a fuel tank, this tank was heated during the voyage which caused the pitch on either side of the bulk head to melt and solidify. At the bottom of the bulk head it was approximately 18 to 24 " of melted pitch, at the top of the bulk head approximately 6 " of pitch was melted. Because this problem Hall Buck rented a back-hoe with hammer attachment to break-up the pitch stuck to the bulk head. charge for this was \$406.05. (see copy of attached invoice, also the ship surveyor reported 5,818.33 short tons aboard). In turn this forced us to work a truck driver on overtime from 8 pm to 2:30 am in order to bring this solidified pitch to the plant for further handling. The Cost for this was Truck \$255.00, driver \$120.24 a total of \$375.24. We estimate that between 700 to 1000 short tons was brought to the plant from the port, this was accomplished in one shift, our best hauling time to date.

The pitch ranged from 2.0 % water to 0.3 % water. Per Paul Stadel's instructions, we made up 30 car composites and those samples were subjected to Dean Stark water analysis. The 1st composite was 1.2 water, the 2nd composite sample was 1.1 water and a 3rd of 20 cars was 0.9 % water. A total of 80 cars were shipped to Vanalco, and even with the water content reported, the material was very dusty, again causing Hall Buck to comment on the amount of fines in the pitch compared to the Japanese and Korean pitch they receive.

No problems to report also no incident was remarkable, the unloading was efficient and timely.

Regards,

John

P.S. Once weights are received from Vanalco for railcars we can calculate the amount brought to the plant.

CC: Walt Turner
CC: Larry Flaherty

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison

Peter Brauns

RECLIVED

Report No.:

57520R

Surveyor:

PM

207 NE 83rd Street

Vancouver, WA 98665 USA

JUL 27 1000

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

KOPPERS INDS., INC. PORTLAND, OR DRAFT DISPLACEMENT SURVEY

VESSEL:

DATE:

Socofl Star

Voyage No.:

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY:

Coal Tar Pitch

Port of Portland

6:30

2.5870

3.1140

-16.91

-97.81

62.00

57.00

15.00

TIME:

INITIAL SURVEY 19-Jul-93 18:30

FINAL SURVEY 22-Jul-93

DISPLACEMENT

Draft Forward: 5.5180 Draft Aft: 5.9020 Midships-Port 5.6800 Midships-Starboard 5.7000 Mean of Means (Corrected) 5.6950 Corresponding Displacement: 8,841.87 Trim Correction: 14.80 **Density Correction:** 1.000 -216.02 Corrected Displacment: 8,640.65 **DEDUCTIONS:** Fuel Oil: 62.00 Diesel Oil: 60.00 Fresh Water: 120.00 Ballast Water: 199.00 Others:

INITIAL DISPLACEMENT: 8,184.65 FINAL DISPLACEMENT: 2,906.34 **TOTAL CARGO:** 5,278.31

2.6700 2.8500 2.7826 4,027.06 1.000 3,912.34 112.00 760.00 15.00 456.00 1,006.00

> M/Tons: L/Tons: S/Tons:

5,278.31 5,194.94 5,818.33

Original Signed by Chief Officer

Chief Officer Socofl Star

TOTAL:

Surveyor

Captain Peter J. Morrison

HALL-BUCK MARINE INC. PORTLAND BULK TERMINAL INVOICE INFORMATION

TO:	ROB GRAHAM	
FROM:	B. CLINEFELTER	
RE:	VESSEL DISCHARGE	
CUSTOR COMMO VESSEL COMPLI JOB NO	DDITY: COAL TAR PITCH : SOCOFL STAR ETED: 02:30 07/22/93 Commenced Discussion	house 19:25 - 7/
MT DISC RATE: SUB-TO	CHARGED TO RAILCAR:	4,578.310 \$21.31 \$97,563.79
MT DISC RATE: SUB-TO	CHARGED TO TRUCKS:	700.000 \$15.82 \$11,074.00
	OF BACKHOE WITH HAMMER ARRANGEMENT TO BREAK SOLID! FROM THE MID-SHIP BULKHEAD =	FIED \$496.05
2 EXTRA	A MEN TO TARP TRUCKS @ \$448 PER SHIFT PER MAN =	\$896.00
TOTAL	DUE THIS INVOICE:	\$110,019.84

Ji	n Schawm 1 of 3 pages.	
	Der your regnest Chenl	
		_

General Ladge	Detail	Sub Detail	SLocation #6	(Dept 3 1990 Like 18	(100 kg	Emp No	Flec Id	urches Br	e Order N e.o. No.	70 700	R.O. Add Resource	Qua	nthy		uinii Code	Amount Distri	buted /
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																	<u> </u>

Vendor No.

Description

0053-57-004

SURVEY OF THE SOCOFL STAR

SEAPORT

MARINE SURVEYS, INC.

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Pax: (206) 574 - 7284.

Capt. Peter J. Morrison Peter Brauns

DRAFT DISPLACEMENT SURVEY

VESSEL: Voyage No.: REQUEST OF: LOCATION: ZEETY AIL COMMODITY: INITIAL SURVEY FINAL SURVEY JULY 19 DATÉ: JOIN 83 1830 TIME: DISPLACEMENT Draft Forward: Draft Aft: ·114 Midships-Port ವಿ - 67 Midships-Starboard Mean of Means (Corrected) Corresponding Displacement: Trim Correction: 97.81 - 216.00 Density Correction: Corrected Displacment: 8640.65 **DEDUCTIONS:** Fuel Oil: 62.00 57.00 Diesel Oil: 60.00 Fresh Water: 120.00 Ballast Water: 199.00 Others: 00. GI **13.00** 4<u>56.00</u> TOTAL: 1000 INITIAL DISPLACMENT: B184.65 M/Tons: 5278.31 FINAL DISPLACEMENT: 2906.34 5194,948 L/Tons: **TOTAL CARGO: 5278** - 31 S/Tons:

Chief Officer

Surveyor



Marine Surveys Inc.

RECEIVED

Tax Identification No.

DATE:

22-Jul-93

JUL 27 1993

207 NE 83rd Street Vancouver, WA 98665 USA

ATTN:

John A. Oxford

KOPPERS INDS., INC. PORTLAND, OR Office & 24 Hour: (503) 285-2246

Koppers Company Inc. Portland, Oregon 97229

7540 NW St Helens

Office: (206) 574-7463

Fax: (206) 574-7284

SURVEYOR:

B/LADING:

PM

Invoice No. Customer No. 5752OR 3681JO

VESSEL: VOYAGE No.: Socofl Star

SURVEY: **COMMODITY:** Draft Displacement Coal Tar Pitch 5752OR

REPORT No.: LOCATION:

Portland, OR

BOOKING No.:

PO No.:	N/A	OFFICE:	Vancouver, WA		
				TOTAL	YOUR
				AMOUNT	PORTION
<u>-</u>			_		100%
DATE	SURVEY FEES				
19-Jul-93	Attend vessel initial	draft survey		\$225.00	\$225.00
22-Jul-93	Attend vessel final d	-		\$225.00	\$225.00
	SUB TOTAL - SUR	VEV FEES			\$450.00
EXPENSES	Mileage/Travel		2 Trips	\$20.00	\$20.00
	Meals and Lodging		Days		
	Photographs		Prints		
	Color Copies		Sheets		
	Miscellaneous				
	Office				
	SUB TOTAL - EXI	PENSES			\$20.00
		PLEAS	E PAY THIS AMOUNT	Γ>	\$470.00

TERMS: DUE ON RECEIPT

by:

Captain Peter J. Morrison

SEAPORT MARINE SURVEYS INC.

THANK YOU

SEAPORT

MARINE SURVEYS, INC.

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

Capt. Peter J. Morrison Peter Brauns

DRAFT DISPLACEMENT SURVEY

VESSEL: Voyage No.: LOCATION: BERTY REQUEST OF: COMMODITY: INITIAL SURVEY FINAL SURVEY DATE: JULY 19 TIME: DISPLACEMENT Draft Forward: Draft Aft: Midships-Port Midships-Starboard Mean of M∈ as (Corrected) Corresponding Displacement: Trim Correction: 97.81 Density Correction: Corrected Displacment: DEDUCTIONS: <u>د</u>. مو Fuel Oil: 57.00 Diesel Oil: 60.00 Fresh Water: 120.00 Ballast Water: Others: 00. čil TOT * * : M/Tons: INITIAL DISPLACMENT: € 34.65 FINAL DISPLACEMENT: L/Tons: TOTAL CARGO: S/Tons:

Surveyor

Cinel Officer

KERR NORTON MARINE

1500 Southwest First Ave., Suite 940, Portland, OR 97201 (503) 224-6612

Telex: 6839232 Fax: (503) 274-9692

19 JULY 1993

MV SOCOFL STAR
PER RELEVANT CHARTER PARTY

GENTLEMEN;

I, MASTER OF THE ABOVE CAPTIONED VESSEL WISH TO ADVISE YOU THAT MY VESSEL IS ENTERED AT THE CUSTOMS HOUSE AND IS IN ALL RESPECTS READY TO COMMENCE DISCHARGING IN ACCORDANCE WITH ALL TERMS, CONDITIONS AND EXCEPTIONS OF THE RELATIVE CHARTER PARTY AS OF 1740 HOURS 19 JULY 1993

MASTER MV SOCOFL STAR

ACCEPTED 600 HOURS 19 JULY 1993 DATE

COMPANY Toppers Ind Inc.

KERR NORTON MARINE

1500 Southwest First Ave., Suite 940, Portland, OR 97201 (503) 224-6612

Telex: 6839232 Fax: (503) 274-9692

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MASTER MV SOCOFL STAR -

ACCEPTED 600 HOURS 19 JULY 1993 DATE

COMPANY Topper Ind Inc.

Coos Bay, OR • Portland, OR • San Francisco • Seattle Vancouver, B.C. • New Orleans (Accounting)

Arabita ac

PAGE 1

HALL-BUCK BARINS, INC. / PORTLAND BULK TERMINAL

VESSEL DISCHARGE REPORT

SHIP NAME SOCOPL STAR PRINTED LOAD DATE : · are 0.7/19 CUSPONER KÖPPERS 02.11 PK

PRODUCT : PBNCIL PITCH

### SHIPPER REMARES CAR HUNBER WEIGHT SHIPPER C TRACING CONKERTS LOADED HOLD ROPPERS VIA BURR/ BR 419371 07/15 HOLDAD ROPPERS VIA BURR/ BR 419371 07/15 HOLDAD ROPPERS VIA BURR/ BR 419371 07/15 HOLDAD ROPPERS VIA BURR/ BR 419371 07/15 HOLDAD ROPPERS VIA BURR/ BR 419371 07/15 HOLDAD ROPPERS VIA BURR/ BR 419421 07/15 HOLDAD ROPPERS VIA BURR/ BR 419421 07/15 HOLDAD ROPPERS VIA BURR/ BR 419424 07/15 HOLDAD ROPPERS VIA BURR/ BR 419524 07/15 HOLDAD ROPPERS VIA BURR/ BR 419524 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ BR 419561 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85163 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85164 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85164 07/15 HOLDAD ROPPERS VIA BURR/ CDQ 85164 07/15 BOLDAD ROPPERS VIA BURR/ CDQ 85164 07/15 BOLDAD ROPPERS VIA BURR/ CDQ 85164 07/15 BOLDAD ROPPERS VIA BURR/ CDQ 85164 07/15 BO	
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KOPPERS VIABBRR/ GB 71523 67/15 HOLOAD	
KOPPERS VIA BURR/ ON 71526 67/15 HOLOAD	
ROPPERS VIA BARR/ GR 71529 67/15 HOLOAD	
KOPPERS PIABA/ADDI GR 71536 07/19 HOLOAD	*1 ***
KOPPERS VIA BURRY GR 71538 67/15 HOLORD	
ROPPERS VIA BARR/ GM 71548 07/15 NOLOAD	
KOPPERS VIA BERRY GH 71951 07/15 HOLOAD	
KOPPERS VIA BHRR/ GH 71954 07/15 HOLOAD	
KORPBRS VIA BURR/ GW 71964 87/15 BOLOAD	4.0
KOPPERS VIA BREE/ GB 71573 07/15 BOLOAD	200
KOPPERS VIABRANDU GH 71578 07/19 NOLOAD	
ROPPERS VIA BERR/ GM 71991 07/15 HOLGAD	
KOPPERS VIA BURR/ GM 71994 67/15 NOLOAD	

ROPPERS VIABBRAY GR 71595 87/15 100.000	PAGE 2		TRIB T			ti daga matika tang dinangkan Militahan melanggan tanggi		
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COLDING COLD	•			R TERMINAL				
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SECONDECT PREMITED PREMITTED					1. 6		V ., 1	
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STATEPED REMARKS CAR NUMBER NUMBER NUMBER STATES COMMERTS LOADED NOLDA	PRODUCT	PERCIL PITCH						
SECRET REMARK CAR NUMBER NEIGHT SHIPPED RC TRACTUG COMMERTS LOADED MOLDA				niep		ስኔቀይ		
COPPERS VIA BERRY GB	SHIPPER	RENARKS	CAR NUMBER WEIGHT		ACING CONHERES		HOLD	
FOURTHS THA BREAL GR T1319 01/15 50000					norne communite			
	KOPPBRS	VIA BHRR/	GR 71999	07/15				V- V-
SOFTERS VIA BERK NP 15381 67/15 80.000						n	OLOAD	
FOFFERS VIA BREA/ RP 75385 87/15 TOLOAD								
ROPPERS VIA BERY RP 75305 67/15 BOLOAD					•			
SOPPERS VIABLE					•			
ROPPERS VIA BERR								e ja en en en en e
COPPERS VIA BERR NP 75322 07/15 80L0AD								
SOPPERS								
DOPERS VIA BRRE	KOPPERS	VIA BERR/	RP 75322	07/15				
COPPERS VIABBLADDL RP 75324 07/19 BOLOAD				07/15		В	OLOAD	
ROPPERS VIA BERR								
SOPPERS								
COPPERS VIA BERR SP 75345 07/15 00000								
ROPPERS VIA BURR RP								
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ROPPERS VIA BERR RP								
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A.C.N. 003 947 699 Woodstock Street, Mayfield P.O. Box 23, Mayfield, N.S.W. 2304

Telephone: 674777

Facelmile: 674998 Country Code: 61

Telex: 28223

Area Code - within Australia: 049

Koppers Coal Tar Products Pty Limited

from overseas ; 49

Facsimile Transmission From Facs Nº. 67 4998

Date:

16th July, 1993

Attention:

Walter W Turner

Company:

Koppere industries inc.

Facs No.:

0011 1 412 227 2202

From:

J. Fitter

SUBJECT:

RE: SHIPPING DOCUMENTS FOR OHINESE PITCH PER "SOCC"

Dear Walter Turner,

We have the balance of the shipping documents re :Hard Pitch ex Dalian China. We are still waiting for the original documents to arrive from the Chinese.

Please find attached

Certificate of Origin Quantity Certificate Inspection Certificate

We will courier the original documents as soon as they are available.

Kind regards,

Jenny Fitter

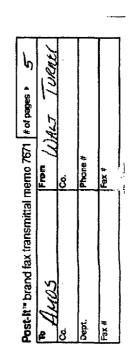
Sent By:

Y.Muprhy

Telephone: (049) 67 4777

Total Pages: 5

JUL 1





中华人民共和国辽宁进出口商品检验局 LIADNING IMPORT & EXPORT COMMODITY INSPECTION BUREAU OF THE PEOPLE'S REPUBLIC OF CHINA

052291

株成。 別議事業大場別の Address: 100 parts Road Dillion

Diro XIB JIM 2108 DALIAN 211688 2160 No.

A13160

INSPECTION CERTIFICATE

日 相 Date

July 1,1993

Consignor: ANSHAN IRON ESTIST. COMPLEX 114-EXPORT DORPORATION

Vensela SCOOPL STAR

United Mary 1, 2 topics

Cargo Intended for shipping: HARD PITCH

Port of Logdings DALJAN

Destantes Portland (Oregon), U.S.A.

RESULUS OF DESPECTION:

Conditions of tenkent The said tanks had been found clean, dry and in good conditions.

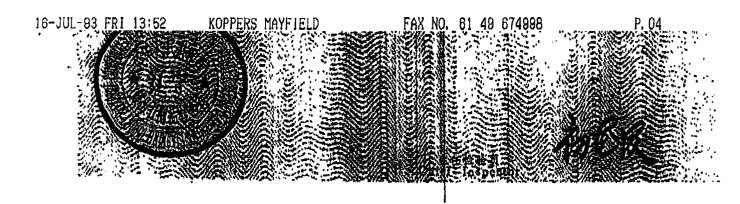
Opditions According to the above mantifened conditions we are convinced that the tanks are fit for leading the said cargo in bulk.

Place of Inspection: Delian Harbour Date of Inspection: Jun. 28,1993



Serveyor

五大德



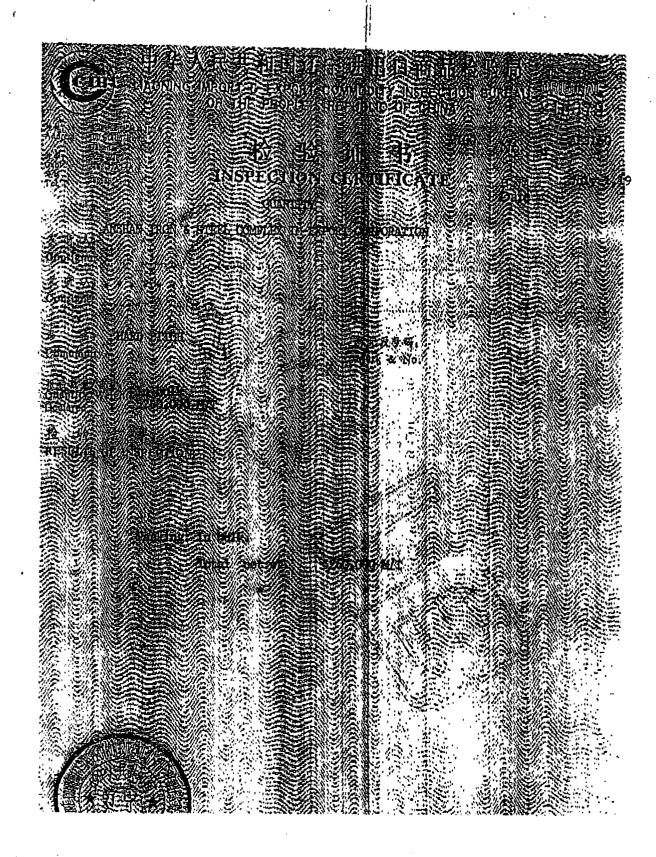
KII SALES & ADMINISTRATION 1600

003

Place and date, signature and stamp of authorized signature

Place and date, signature and stamp of bertifying, suthority

MiChina Council for the Promotion of International Trade is China Chamber of International Commerces



KII SALES & ADMINISTRATION 1600 07:18 P. 02 PAX NO. 61 48 674898 07/16/93 MULTEUD HHILLETI 40002 ORIGINAL 1. Exporter (full name and address) Confiloate No. 0242240 ANSHAN IROY & STEEL COMPLEX IM-EXPORT CORPORATION 322 SOUTH ZHUNGHUA RD. ANSHAH, LIAONING, CHINA CERTIFICATE OF ORIGIN OF 2. Consignee (full name, address, country) the people's republic of china 3. Meens of transport and route \$. For conflying authority use only FROM DALIAN, CHINA TO PORTLAND (ORECON). USA. BY SEA 4. Destination port PORTLAND (OREGON), USA. 10. Number 7. Description of gorids; number and kind of 8. H.S. Code 9. Quantity of 9. Marks and numbers and date of weight of packages packages invoices BP8240193108 5,200 HETRIC TONS 27,08 HARD PITCH JUL. 1,1993 N/H BULK 12. Certification 11. Declaration by the exporter it is hereby cortified that the declaration by the exporter The undersigned hereby declares that the above details and statements are correct; that all the goods were produced in China and that they comply with the Rules of Origin of th Anshan Iron & Siell Complex IM-EXPORT CORPORATION

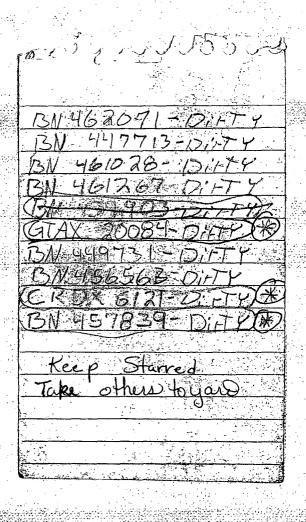
*China Council for the Promotion of International Trade is China Chamber of International Commerces

JUL. 1,1993

SHENYANG

Place and date, signature and stamp of authorized signatory

Place and date, signature and stemp of certifying, authority





PUGET SOUND PIPE AND SUPPLY CO.

WAREHOUSES: 3223 3rd Ave. S. Seattle, WA 98134 (206) 682-9350 FAX (206) 467-9350

19038 S. Vermont Ave. Gardena, CA 90248 (213) 515-PIPE FAX (213) 515-7180

2300 Azurite Ct. P.O. Box 230349 Anchorage, AK 99523 (907) 344-1124 FAX (907) 344-6430

SALES OFFICES:
San Diego, CA
Bakersfield, CA
Fairbanks, AK
Longview, WA
(619) 285-PIPE (805) 324-PIPE (907) 474-0042 (206) 425-0444

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OPPERS VIA BRRR/	N P	15322	07/15		MOLOAD		
OPPERS VIA BURR/	N P	75339	07/15	***************************************	NOLOAD		
OPERS VIA BURR/	NP	75331	07/15	. *	ROLOAD		
OPPERS VIA BARR/ OPPERS VIA BARR/	N P	15337	07/15	•	HOLOAD		
	NP	75345	07/15		HOBOAD		
	N P	75348	07/15		ROLOAD		
OPPBRS VIA BNRR/ OPPBRS VIA BNRR/	N P	75350	07/15		HOLOAD		
JPREES VIA BREE/	N P	75383 75391	97/15		DACION		
PPERS VIA BRAR/	N P	75392	07/15 07/15		ROLOAD	•	
PPERS VIA BRRR/	N P	75393	07/15		daoidh Gaoidh	•	
PPERS VIA BARRI	<u>hb</u> .	75602	07/15	And the same of th	HOLOAD	<u></u>	
)PPERS VIA BNRR/	SLSP		07/15		NOTOYD		
PPBRS VIA BHRR/	SLSP		07/15		HOLOAD		
TERBES VIA BURRY	2131		97715		NOTOAD)	
PPERS VIA BHRR/	SLSP		01/15		HOLOAD		
PPERS VIA BURR!	SLSP		07/15		ROBOAD		
FPERS VIA BERRY	SLST		07/15		HOLOAD	<u> 50- + 3</u>	
PPBRS VIA BARR/	SLSP		07/15		HOLOAD		
PPERS VIA BURR/	SLSP		07/15		ROLOAD		
FFERS VIA BURRY	SLSP		07715		HOTOAD		-
PPERS VIA BURR/	SLSF		01/15	• •	HODOAD		
PPBRS VIA BNRR/	SESF		07/15		HOLOAD		
PPERS VIA BERRY	-	182016	07715		NOLOAD		
PPBRS VIA BRRR/	SLSP		07/15		NOLOAD		
PPERS VIA BNRR/		182058	07/15		FOLOAD		

07/16/1993 07:28 HALL-BUCK, PORTLAND, OR. 503 285 4467 Σ0.9

07/15

87715

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ROLOAD

HOLUAD

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HOLOAD

NOLOAD

ROLOAD

KOPPERS IND ATTN JOHN OXFORD HALL BUCK MARINE ATTN KERMIT PETRIE

02 JULY 1993

MV SOCOFL STAR /DISCH PENCIL PITCH AT PORTLAND

011900 DEPARTED DALIAN STOWAGE HOLD NO.1 /2955 MTS HOLD NO.2 /2305 MTS FYG - BOTH SHIP'S CRANES ON STARBOARD SIDE

181200 ETA COLUMBIA RIVER P/S

BRGDS

.

KERR NORTON MARINE

A.C.N. 003 947 699

Telephone: 674777

Facsimile: 674998 Country Code: 61

Telex: 28223

Woodstock Street, Mayfield

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

Koppers Coal Tar Products Pty Limited

from overseas: 49

Facsimile Transmission From Fax Nº. 67 4998

Date:

2/7/93

07:56

Attention:

Walter Turner

Company:

Koppers Industries Inc.

Fax Nº.:

0011-1-412-2272202

From:

Wing Kuen Chan

SUBJECT:

m.v. 'Socofi Star'

Dear Walt,

Socosi Star sailed from Dalian at 1920 hours July 1st, with about 5260T on board. ETA Portland is July 20th.

Wing Kuen Chan

A.C.N. 003 947 699 Woodstock Street, Mayfield

Telephone: 674777

Facsimile: 674998 Country Code: 61

Telex: 28223

Koppers Coal Tar Products Pty Limited

from overseas: 49

P.O. Box 23, Mayfield, N.S.W. 2304

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Wing Kuen Chan

KOPPERS IND PORTLAND, OR

24 JUNE 1993

ATTN JOHN OXFORD

MV SOCOFL STAR /DISCH PENCIL PITCH AT PORTLAND

- UNDERSTAND VSL TO ARRV DALIAN O/A 28TH JUNE
- THIS BASIS ETA COLUMBIA RIVER O/A 25 JULY
- SCHDLD TO LOAD 5,500MTS 5PCT MOLOO
- WILL CONFIRM DEP DALIAN SOONEST KNOWN.

BRGDS

.

KERR NORTON MARINE

KOPPERS IND. PORTLAND, OR

ATTN JOHN OXFORD

24 JUNE 1993

SUBJ: MERGER KERR STEAMSHIP COMPANY WITH NORTON LILLY INTL.

AS YOU KNOW, KERR STEAMSHIP AND NORTON LILLY HAVE ENTERED INTO A JOINT VENTURE COMBINING BOTH COMPANIES RESOURCES AND EFFORTS, AS KERR NORTON MARINE.

THEREFORE PLEASE NOTE OUR NEW STYLE AS KERR NORTON MARINE WITHIN THE CURRENT NORTON LILLY OFFICE AS FOLLOWS -

KERR NORTON MARINE AS AGENTS ONLY 1500 S.W. FIRST AVE SUITE 940 PORTLAND, OR 97201

TELEPHONE 503 224 6612 FAX 503 274 9692 CELLULAR 503 784 1895 PAGER 503 299 9630

AS OF 10 JUNE 1993, THE JOINT VERTURE WAS FORMALLY ESTABLISHED, THEREFORE PLEASE FORWARD ALL MEMBERSHIP NEWS, BILLINGS, ARRIVAL NOTICES ETC., TO THE ABOVE MENTIONED ADDRESS.

THANKING YOU IN ADVANCE FOR YOUR KIND ATTENTION WITH THIS MATTER.

KERR NORTON MARINE PORTLAND, OR

TROY ANDRUSS
MANAGER OPERATIONS

.

A.C.N. 003 947 699

Telephone: 674777

Facsimile: 674998 Country Code: 61

Telex: 28223

Woodstock Street, Mayfield

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

Koppers Coal Tar Products Pty Limited

from overseas: 49

Facsimile Transmission From Fax Nº. 67 4998

Date:

Attention:

Walter Turner

Company:

Koppers Industries Inc

Fax Nº.:

0011-1-412-2272202

From:

Wing Kuen Chan

SUBJECT:

Pitch for USA

We have received nomination of a vessel to load about 5,500T of hard pitch for USA. She is a sister to the 'Artem'. The vessel details are as follows.

Vessel

Socofl Star

Deck

Single

Flag

Panama

Built

LOA/Beam

111.3/18m

1992

HO/HA

DWT

6163 T

Laden Draft 5.8 m

Laycan

20-30 June 93

We have to confirm the chartering by Monday morning, 7th June. Please advise the suitability as soon as possible. Please advise whether we can load 5,500T plus or minus 5% for this shipment.

Your prompt reply will be very appreciated.

This will be the wessel,

Wing Kuen Chan

PS: Thank you for the brochures of enamel/primer, looking forward to your quote.

RECEIVED

114 1909

KOPPERS INDS. INC. PORTLAND OR

JUN 4 1993

KOPPERS

Purchase Order

DIVISION PROCUREMENT COPY

To Koppers Coal Tar Products Pty. Ltd. C1-Post Office Box 23

Mayfield NSW 2304

MAY 24 1993

Australia

KOPPERS INDS., INC.

Attention: John Crawford
Koppers requests that Seller furnish the goods and/or selver like AND P subject to the terms on the face and reverse side of this order.

Ship To:

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon

This order number must be shown on all shipments, invoices, correspondence, etc.

Continued on sheet (Sheet 1)

May 19, 1993

OM3-1670-3

Invoice Instructions:

Sheet

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED
"ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE
ORDER NUMBER ON INVOICE. LIST EACH
SHIPMENT SEPARATELY.

U.S.A.

Requisition No.	Inquiry	No.	Account No.								
Quantity		Description									
	COA	COAL TAR PENCIL PITCH									
	REVERSE SIDE HER	O "KOPPERS COMPA REOF, OR ON ANY A EING "KOPPERS IND	NY, INC." ON THE FRONT OR TTACHMENT, MUST BE USTRIES, INC."								
	SPECIFIC ATTENTION MUST BE GIVEN TO ADDRESSES AND INSTRUCTIONS CONTAINED IN THE BODY OF THIS ORDER, NOT THOSE PREPRINTED.										
Quantity:	5000 - 5500 Metric Tons										
Price:	\$206.00/U.S. per metric ton F.O.B. Vessel, Port of Portland										
Source:	Anshan, China										
Specification	on: Softening Point Toluene Insoluble Quinoline Insoluble Coking Value Specific Gravity Distillation to 360°C Ash Sodium * Moisture	ASTM D 2416 ASTM D 71 ASTM D 2569 ASTM D 2415	108-113 20% minimum 4.0% (prefer 3.8-5.0%) 52% minimum 1.30% minimum 5% maximum (prefer 3% max) 0.25% maximum 200 PPM maximum 0.50% maximum								
	* 0.5% maximum does r	not inter an average mo	isture content								

Order Distribution:

D. N. Sweet - K-1750

J. L. Schaum - K-1750 Traffic Dept. - K-2050

J. Oxford - Portland Plant

K. J. Regel - K-1601

W. W. Turner - K-1601

P. A. Stadel - U-PARC

John Crawford - KAP

L. F. Flaherty - K-1750

KOPPERS

Purchase Order

DIVISION PROCUREMENT COPY

To Koppers Coal Tar Products Pty. Ltd. C1-Post Office Box 23 Mayfield NSW 2304 Australia

Attention: John Crawford Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

Ship To:

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A.

May 19, 1993 Date Order No. OM3-1670-3 #1 (Sheet 2)

Continued on sheet

This order number must be shown on all shipments, invoices, correspondence, etc.

Invoice Instructions:

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED "ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE. LIST EACH SHIPMENT SEPARATELY.

Requisition No.		Inquiry No.	Account 1	No.								
Quantity	Description											
Delivery	airmailed to Ko Pittsburgh, PA	ppers Industries, Inc. 15238, Attn: Paul	- U-PARC, 1005 Wil Stadel.	pment sample shall be lliam Pitt Way,								
Delivery:	One vessel to al	rive Portland about	July 19, 1993.									
		•	72 hour notice to W. 1800, Fax No. (412)	,								
Document		rter party. g which will be issue pice and anlysis of n	ed by the charter party naterial should be mail									
		•										
	. ,	•										
			:									
WWT:rs		NTITLED TO ALL	REMEDIES PURSUA	ANT TO THE								

Order Distribution:

Jun Coford Plant

		ILY TIME SHEE	ET			
ime Started _ Down Time - L Time Finished Driver's Time	~~~	- Property 281-	KEN ESPED nstruction/Tr 3822 N.E. 72r ortland, Oregon 3074 or Mobile 2	ucking nd 97213 248-7618	معاطفه ماسيرين ساميان ماكار مقال الميدان الماسير سام ماريا كالمد	-
Driver	en E	`	Date 7-20	7-73		
Contractor or E Truck No.	mployer	Address		· · · · · · · · · · · · · · · · · · ·	A CONTRACTOR OF THE PARTY OF TH	
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					Sec. Sec.	
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Driver's Signate	ure Kin Lan	TO TO	TALS	8		
This acc The par of 18% per anr	count due and payable ties expressly agree b num on all past due ac	on the 10th day of the n y their signatures hereto counts.	that interest shall a	ccrue at the rate		
agrees to pay though no suit reasonable atto A lien m	 Sub-Constractor/Emp or action is filed on the orney fees shall be fixe hay be claimed for labo 	 hands of an attorney folloyees reasonable attored account; however, if sund by the court. r, materials, rentals, and 	rney fees and colle it or action if filed, the	ction costs even e amount of such	لاحكومين ملك وهاستكوار ارتدا	
		ntative acknowlędges r	eceipt of copy and i			
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	WHITE - Original YE	LLOW - Billing PINK - Drive	r GOLDENROD Job		1	





5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date 7. 70. 93 Material Hauled	00
and I he have et Helenst	JJ
Origin / / Destination 1 - Order 3/ Job#	1 51 (
Starting Time Lunch Time Ending Time Total Hours	
Rate Per Total Earnings	
Truck # \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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TOTALS	
Tickets must be signed and submitted at the end of each day for payment. Note: Owner/Operator responsible for all insurance and any/all property damage. Note: Record your time to the nearest 1/4 hour on total hours only. It is your responsibility to get all tickets signed. Charge standby time for anything over 15 minutes. If you don't get it on your ticket you will not be paid for it. Driver Name Driver Signature	
Contracting Company Signature (printed)	



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date 7-20-93	_				1-000-999-097		.00-374-60	02			
Material Hauled	Customer KOOPPERS										
Origin T-A	 -			Destina	ation Koop	peras Y	ARD.	Job #			
Starting Time	Lur	nch Time .	/2!0	0	Ending Time	1:00	Total F	lours 9.45			
Rate		Per_				Total Earr	nings	· .			
Rate		Trailer #_	BD-,	77	OR PUC #		TAF	RE Wt			
DELIVERED TO	PLANT TIME IN	PLANT TIME OUT		DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS	NET YARDS HAULED	REMARKS OR HAUL TKT #			
Kooppers you	700	7:30			·			Back TO YARD TO Clean TRAILCA			
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TOTALS	1		<u>!</u>	<u> </u>	<u> </u>		<u> </u>				
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Contracting Company	Signatur		(250	mel	Il F	650	er	L.			



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-824-5971 • FAX 1-206-574-8062

Origin of Haul				_				_	
Truck # <u>43</u>									=
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DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	DUMP TIME OUT	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	REM	ARKS
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TOTALS	<u> </u>						, t		
Tickets must be signed	and subm	nitted at th	e end of	each day	or navment				
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	(printed	d)	m f	a 0	Driver Sign	ature Jol	nW. Ale	elstron	



5419 N.E. 88th St. • Vancouver, Washington 98665 (206) 574-5971 • Out of State 1-800-999-5971 • FAX 1-206-574-8062

Date 7-20 1		_						
Material Hauled Pe	ncile	Pi	tch	Custo	mer <i>K_0pj</i>	0415		
Origin T-4				Destina	ation Hwy 30	Kopper	sparel s	ob #
Starting Time 7.80	Lur	nch Time	I H		ر کے Ending Time	00	Total H	lours <i>9,5</i>
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DELIVERED TO	PLANT TIME IN	PLANT TIME OUT	DUMP TIME IN	TIME	DOWN TIME OR STAND-BY	NET TONS HAULED	NET YARDS HAULED	
Koppers Yard	8:43 9) 13 10:13 10:56 11:40			9:00 1:53 1036 11:18				
	1:12 2:26 3:07			131 209	1 hr. Lunch			
	3:47			4:06				11 Loads
TOTALS					egi ^t			
Note: Owner/Operator in Note: Record your time It is your respons Charge standby to If you don't get it.	responsible to the neal ibility to go ime for an	e for all in arest 1/4 let all ticke sything ov	nsurance hour on to ets signed er 15 mir	and any/ otal hours d. nutes.	all property dama only.	age.	le A/	10.11/-
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3:45	23 ca	S. were	loaded	and so	impeled.	

(, G)						

HALL-BUCK MARINE, INC.

HALL-BUCK MARINE, INC.

P.O. Box 83838 - Portland, OR 97283-0838

FAX TRANSMISSION (Cover Sheet)

DATE: Thu. 7/22/93

Page ___ / of ___ Total.

FROM:

Railcar Coordinator-HBM/PBT (FAX No. 503-285-4467)

Contract the Contract of the C

285-283

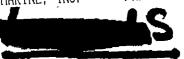
Per your request.

Here are dumpsheets for 80 caro loaded Plus lost sheet showing empties returned TOBNER.

PS. Hope to have "Bol": and Brid report -Boryou by Hoon today, if not sooner!

Phone: (503) 285-2990 • WATS: 1-800-859-2990 • FAX: (503) 285-4467 • TELEX: 62165550

JUL-22-93 THU 8:36 Peneil pitel



HALL-BUCK MARINE, INC.

PORTLAND BULK TERMINAL

REPORT LOAD

TO BURR.

VESSEL SALDFL STAR

DAILY REPORT #

HATCH #

7/21/93 DATE

	SHPR	CAR NUMBER	WEIGHT			SHPR	CAR NUMBE	R	WEIGHT	
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DTA	L RAILCARS	THIS SHIFT:		LBS.			M/T THIS SHIFT:			

JUL-22-93 THU 8:36

FAX NO. 503 285 4467 Be re kased TO BURR.

HALL-BUCK MARINE, INC.

PORTLAND BULK TERMINAL

REPORT

LOAD HATCH #

SHIFT: 1ST/2ND \$RD

DATE

DAILY REPORT #

				Los	<u> </u>				Load
	SHPR	CAR NUMBER	WEIGHT			SHPR	CAR NUMBER	WEIGHT	
1.					1.	Kollens	SCSF 823130	53.7	X
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3.					3.	-	SUSF 182 177	53.1	X
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S .					5.	•	SLSK 182058	20.3	X
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	AL RAILCAR	STHIS SHIFT: (5)		LBS.			M/T THIS SHIFT: 29	55 m/1	

OTAL M/T THIS HOLD:

JUL-22-93 THU 8:33 HALL-BUCK MARINE, INC. Pencil Pitch

FAX NO. 503 285 4467 Be reveased TO BURR.

HALL-BUCK MARINE, INC.

PORTLAND BULK TERMINAL REPORT

VESSEL SECOFL STAR V-4

SHIFT: 1ST (2ND) 3RD DAILY REPORT #

LOAD HATCH # 1

DATE 7/19/93

		-	Loon	<u></u>				boad
SHPF	R CAR NUMBER	WEIGHT			SHPR	CAR NUMBER	WEIGHT	
1. KOPPER		53,1	X	1.	KOFFERS	130 435415-12	53.7	X
2. /	SISF 82235 V	53,4	X	2.	V	NP 75303 /	53.1	XXX
3.	ND 75391 V	53,4	X	3.	V	6N 71573 V	53.7	X
	1 85181 V	53 4	X	4.	/	6N 71551 /	53.1	
	823 <u>81</u>	53.4]X	5.	4	KLSF 82316/	53,7	X
	5331	53,4	X	6.	V	BN 438033 V	53,7	IX
	34 475013 W	53.7	X	7.	V	SIST BZDM V	53,7	
3	419561	531	x	8.	V	NP 95305 V	53.1	1
9	4.949.5	53.4	X	9.	· ·	37 416341 1		1 1
10	2 85m3 J	53,1	X	10.	1	CB40 85140	/s- 1	
1				11.	,	NP 75399		43
				12.	1	GD 71517	/33 1	- 1
1				13.	-	BN 419388		gride.
14				14.		3h 435024		ス
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	CARS THIS SHIFT: (24)		LBS.			M/T THIS SHIFT: 1288	18 m/T	
OTAL M/T							<u></u>	,

PERSONAL RELEASE **BURLINGTON NORTHERN RAILROAD COMPANY**

1 and	she three	Cars a	its will, to*	ast
H. Jol	in you	l		
	- fo -			
ssession, which shal gines, cars, or othe natsoever, however entioned permission IRLINGTON, ITS OFF d'legal representa mpanies, and the of	risk of my personal injury I in any manner arise from er equipment or apparatulit may occur or be caus in, WHETHER THE SAME BUILDERS, EMPLOYEES, AGENTAITIES, release and forevers, agents, and employ fany such injury, death, and	n or be caused by de is of any kind what ed, in any manner E CAUSED BY OR CO TS OR ANY THIRD P er discharge Burlit vees of said compani	fects in tracks, roatsoever, or by an arising or grow DNTRIBUTED TO I PARTY; and I here agton and its suites, from all claims	adbed, structures, train by accident of any kin ving out of the above BY THE NEGLIGENCE O by, for myself, my heir obsidiary and affiliate
, on, or about Burli les as they apply to stricted to, the proh	I and agreed to that execungton's equipment and pomy activities while the ibition of the use of alcohal jokes, or scuffling, or other.	roperty will not cor reon. It is further o of or narcotics, or b	offict with general understood that i eing under their i	al, safety, and operating this includes, but is no influence while thereou
Dated	22 199	3 	John	0 Hord
itnesses to signature	beam	,	V	
		, A . 6 S	ed and consented	1 4 - 1
		Par	- Su	Sen-
		12		
			(Parents or legal Gu	ardian of minor)

To Burkased

HALL-BUCK MARINE, INC.

PORTLAND BULK TERMINAL

REPORT

LOAD

VESSEL SACOFL STAR

encil Pitch

HATCH #

SHIFT (1ST) 2ND 3RD

DAILY REPORT #

DATE 7/21/93

			•		Loo						Load
	SHPR	CARN	IUMBER	WEIGHT			SHPR	CAR	NUMBER	WEIGHT	
1.	KORERS	GN -	115291	\$3.7	X	1.	KOPE2S	SUSF	822321	53,7	区
2.	/	SISF 1	1820801	53,7	X	2.		GN	71538,4	53,7	X
3.	/	SISF	1821303	153.7	X	3.	/	SLSE	82234	53.7	K
4	/	BN A	435474	83.7	X	4.		NP	753450	53.7	K
S		WP_	15334	53.7	X	5.	~	GN	715040	53.7	X
6.		NP	15300	53.7	X	6.					
1 7	-	NP	15602_V	153.7	X	7.			3		
. 6	j	UP 7	15348 \sq	53.7	X	8.					
1		315K	24/4	53,2	X	9.		<u> </u>			
1:0		ે ર [ા]	4 片	53.7	χ	10.					
	۲		· ·	53.7	X	11.					
12.			L L	153.7	×	12.					
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OT	AL RAILCAF	S THIS SHI	FT: (17)		LBS.			M/T THIS	SHIFT:		
	AL MATTER										

HALL-BUCK MARINE, INC.

FAX NO. 503 285 4467 Be re kased TO BURR.

HALL-BUCK MARINE, INC.

PORTLAND BULK TERMINAL

REPORT

LOAD

HATCH #

SHP	R CAR NUM	MBER WEIGHT	المنتقد		SHPR	CAP	NUMBER		WEIGHT	
	T CAN NOW	IDEN VICIOITI		-						, -
1.				<u>1.</u> 2.	KOPFIE	Syst			53.7	<u> X</u>
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3.					_1 #/	GU	71790	2	53.7	1 x
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5.				5.	-1- #/	NA	1/3/2/2	7	53.7	1
5.				6.		BN	4173	بَحِ	53.7	. ' ≺
7.				7.		<u>C7/J</u>	11512	5 /	53.7	
3.				8.	_n_ #/	13/1	4170	7	53.	
9.				9.	-1- #2	<u> </u>	<u>07/0</u>	2	53.7	
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0.				30.						T
TAL RAIL	CARS THIS SHIFT:		LBS.			M/T THIS	SHIFT:		1490	5

TO C.RR.

HAT L-BUCK MARIN

POP 1 TILK TERMINAL

VESSEL SOCOLL STOR V.A193

SHIFT: 1ST 2ND 3RD

HATCH # DATE

DAILY REPORT #

				Loo	_				Loo
	SHPR	CAR NUMBER	WEIGHT		·	SHPR	CAR NUMBER	WEIGH	
1.	KOPPUL	NP 95392 L	53.7	X	1.	Kottel	GN 71949	53,7	
2.	1	NY 15350	33,1	X	2.	,	GN 71526	53.1	×
3.	1	SLIF 182008 V	53.4	X	3.	1	BN 435035	53.1	×
4	i	CD 71578	53.7	X	4.	_	BN 419377	53.7	×
5	1	ch 71536	53.7	X	5.	1	13N 435425 VV	53.4	X
•.		NP 95619 V	53.4	X	6.	b .	CAES 9212	53.1	X
		N 75322	531	1	7.	•	SLSF 182251	53.1	X
3		CB+02 85120 V	53.3	X	₿.	-	GN 71994 /	53.7	1.
		C3:02 85178	53.7	X	9.	•	C8+0 85163	1	
		419421	53.1	¥	10.	1	GN 7154°		
		75337 V	23.3	×	11.		GN 715		
		3 85194	27.1	K	12.				
	i			1	13.				
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	AL PAU CAR	IS THIS SHIFT: (23)		LBS.			M/T THIS SHIFT: 123	55.1 m/K	



INTEROFFICE CORRESPONDENCE

To: Amos Kamerer

From: John A. Oxford

Location: Portland Terminal

Location: Portland Terminal

Subject: Unloading Chinese Ship

Date: July 30, 1993

The following is a report of the unloading of Coal Tar Pitch from the Socofl Star. This vessel carried Chinese Pitch and arrived on berth 1800 hours on 7/19/93. We began discharging pitch into rail cars at 1925 hours 7/19/93 and we completed at 0230 hours 7/22/93. This ship was one of the best we have received for configuration purposes. The sides were straight, the holds were square with no ribs or tween decks. In all clean-up was very fast and orderly. The only problem incurred was the bulk head between hold # 1 and # 2 contained a fuel tank, this tank was heated during the voyage which caused the pitch on either side of the bulk head to melt and solidify. At the bottom of the bulk head it was approximately 18 to 24 " of melted pitch, at the top of the bulk head approximately 6 " of pitch was melted. Because of this problem Hall Buck rented a back-hoe with hammer attachment to break-up the pitch stuck to the bulk head. Their charge for this was \$406.05. (see copy of attached invoice, also the ship surveyor reported 5,818.33 short tons aboard). In turn this forced us to work a truck driver on overtime from 8 pm to 2:30 am in order to bring this solidified pitch to the plant for further handling. The Cost for this was Truck \$255.00, driver \$120.24 a total of \$ 375.24. We estimate that between 700 to 1000 short tons was brought to the plant from the port, this was accomplished in one shift, our best hauling time to date.

The pitch ranged from 2.0 % water to 0.3 % water. Per Paul Stadel's instructions, we made up 30 car composites and those samples were subjected to Dean Stark water analysis. The 1st composite was 1.2 water, the 2nd composite sample was 1.1 water and a 3rd of 20 cars was 0.9 % water. A total of 80 cars were shipped to Vanalco, and even with the water content reported, the material was very dusty, again causing Hall Buck to comment on the amount of fines in the pitch compared to the Japanese and Korean pitch they receive.

No problems to report also no incident was remarkable, the unloading was efficient and timely.

Regards,

John

P.S. Once weights are received from Vanalco for railcars we can calculate the amount brought to the plant.

CC: Walt Turner CC: Larry Flaherty

SEAPORT

Marine Surveys Inc.

RECEIVED

JUL 27 1000

Report No.: 5752OR

Surveyor:

PM

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463 Fax: (503) 574-7284

KOPPERS INDS., INC. PORTLAND, OR

DRAFT DISPLACEMENT SURVEY

VESSEL:

Peter Brauns

Socofl Star

Voyage No.:

REQUEST OF:

Capt. Peter J. Morrison

Koppers Company Inc.

LOCATION: Berth 411

Port of Portland

COMMODITY: Coal Tar Pitch

INITIAL SURVEY FINAL SURVEY DATE: 19-Jul-93 22-Jul-93 TIME: 18:30 6:30 DISPLACEMENT Draft Forward: 5.5180 2.5870 Draft Aft: 5.9020 3.1140 Midships-Port 5.6800 2.6700 Midships-Starboard 5.7000 2.8500 Mean of Means (Corrected) 5.6950 2.7826 Corresponding Displacement: 8,841.87 4,027.06 Trim Correction: 14.80 -16.91 **Density Correction:** 1.000 1.000 -97.81 -216.02 Corrected Displacment: 8,640.65 3,912.34 **DEDUCTIONS:** Fuel Oil: 62.00 62.00 Diesel Oil: 60.00 57.00 Fresh Water: 120.00 112.00 Ballast Water: 199.00 760.00 Others: 15.00 15.00 TOTAL: 456.00 1,006.00 **INITIAL DISPLACEMENT:** M/Tons: 8,184.65 5,278.31 FINAL DISPLACEMENT: 2,906.34 L/Tons: 5,194.94

5,278.31

Original Signed by Chief Officer

Chief Officer

TOTAL CARGO:

Socofl Star

Surveyor

S/Tons:

Captain Peter J. Morrison

5,818.33

HALL-BUCK MARINE INC. PORTLAND BULK TERMINAL INVOICE INFORMATION

TO:	ROB GRAHAM	
FROM:	B. CLINEFELTER	
RE:	VESSEL DISCHARGE	
CUSTON COMMO VESSEL COMPLE JOB NO.	DITY: COAL TAR PITCH SOCOFL STAR ETED: 02:30 07/22/93 Commenced Drack	Jange 19:25 - 7/19
MT DISC	HARGED TO RAILCAR:	4,578.910 \$21.91
SUB-TO	DTAL:	\$97,563.79
MT DISC RATE:	HARGED TO TRUCKS:	700.000 \$15.62
SUB-TO	DTAL:	\$11,074.00
	OF BACKHOE WITH HAMMER ARRANGEMENT TO BREAK SOLIDIF ROM THE MID—SHIP BULKHEAD =	HED \$486.05
2 EXTRA	MEN TO TARP TRUCKS @ \$448 PER SHIFT PER MAN =	\$896.00
TOTALE	DUE THIS INVOICE:	\$110,019.8 4

TO:

VANALCO

P.O. Box 9805

Vancouver, WA 98666

ATTN: JIM SMYLIE

ATTN: MARV AEIESLAND

FROM: Koppers Company, Inc. Industrial Products Diy,

7540 N.W. Saint Helens Rd.

Portland, OR 97229

COAL TAR PENCIL PITCH

<u> </u>			COM	. DAN PU	Incil 11	TUH	•		•		
Specification:	71		108 113	3.5- 8	1,00 max.						
Car Ho. for Truck	Витсн #	Date Sh1pped	S.P.	QI Wt. %	H ₂ O Wc. X	CV	ASH	DENSITY	DIST 16 360	T.1	
GN. 71578	93-20	1	111.5		0.7	53.1	.11	1.299	3.9	18.3	
SLSF 182008			1.7.7.9								
NP 75619											
GN 71536											
NP 75300				_						 	
NP 75334 NP 75343	 			-		- -	-				
SUF 82228				-	-	-	·	{ 			ļ
SLSF 81228 NP 75308	 [-	-	-			<u>-</u>		·
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CC!	Hr.	1).	McGregor,	Aluminum Co.	υſ	America,	1501 Alcoa	Bldg.,	Pittsburgh,	PA	15219

Plant

Marketing Manager—Industrial Pitches

Technical Director-Industrial Pitches

A KAMERER-PORTLAND PLANT



INTEROFFICE CORRESPONDENCE

To:

KEN REGEL

From:

MARY NEAL

Location: K-1600

Location: PORTLAND

Subject: CARS TO VANALCO

MARY

Date:

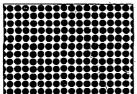
July 19, 1993

KEN, DURING JULY THE FOLLOWING CARS WERE SHIPPED TO VANALCO AS A SUPPLEMENT UNTIL THE SHIP ARRIVED. THE FOLLOWING ARE THE WEIGHTS.

DATE	CAR #	GROSS	TARE	NET	TONS .
7/7/93	GN-71578	202300	64200	138100	69.05
7/7/93	SLSF-182008	187580	62500	125080	62.54
7/8/93	GN-71536 ✓	202800	63000	139800	69.90
7/8/93	NP-75619 🗸	201600	62300	139300	69.65
7/9/93	NP-75334	189160	60700	128460	64.23
7/9/93	NP-75300V /	187360	61400	125960	62.98
7/10/93	SLSF-82228	191960	60800	131160	65.58
7/10/93	NP-75343 🗸 🖊	189780	61500	128280	64.14
7/13/93	SLSF-82358 ✓	190960	61200	129760	64.88
7/13/93	NP-75308 V	189580	61200 _	128380	64.19
TOTAL				1,314,280	657.14

IF YOU HAVE ANY QUESTIONS CALL ME.

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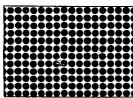
STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL-MOTSNEGOGRABLE

4	J
HIPPERS ORI	DER NO.

661-500132XX
CONSIGNEES ORDER NO.
NONE

KG55563

ECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date o	f irrue of this Bill of Ladina		t The fit	ore boxes and/or the	fibre barrels,
ROM KOPPERS INDUSTRIES, INC. AT PO	RTLAND, OR	DATE 7/	drums, pused for tations thereon	ore boxes and/or the pails or tubs and/or the this Shipment conform set forth in the make (if any required) and	to the specifi- r's certificate all other re-
e property described below, in apparent good order, except as noted (contents and condition of conte ord company being understood throughout this contract as meganing any person or corporation in posters it it own road or it own water line, otherwise to deliver to another carrier on the route to said destina whe to destination, and as to each party at any time interested in all or any of said property, thaj ever inted or written, herein contained, including classification bills of lading conditions, which are hereby agreed	sion of the property under the contractf-agrees tion. It is mutually agreed, as to each carrier o ry service to be performed hereunder shall be	s to carry to its usual place of delivery at said of of all or any of said property over all or any po- subject to all the conditions not prohibited by	destination, if ortion of said law, whether commerce	(if any required) and and as of the Uniform or No. classifications. ('s imprint in lieu of stam adding approved by the Commission.	p not a part of he Interstate
CONSIGNED TO VANALCO ALUMSTUM CO.			"If the Shi by water,	pment moves between two the law requires that the bi ther it is carrier's ar shipper's	ports by a carrier ill of lading shall
TREET ADDRESS CONSIGNMENT #451			state whet	her it is corrier's or shipper's	weight SEE
DESTINATION VANCOUVER, WA 98860					
NAME OF CARRIER BN RR		CAR OR VEH. IN. & NO SLSF 8235		VEH. SEAL NO.	
OUTE BN RR		SUSE OZSS	IF CHAP	RGES ARE TO	
CONSIGNEE'S NOTIFICATION ADDRESS KOPPERS IN	DUSTRIES INC	DITTERNIDCH DA	OR ST	RGES ARE TO PAID, WRITE AMP HERE PREPAID" PRI	EPAID
PACKAGES NO. AND KIND DOT SHIPPING NAME/HAZARD (IF APPLICABLE)	CLASS DESCR	RIPTION OF ARTICLES, SP MARKS & EXCEPTIONS	PECIAL	WEIGHT C	CLASS OR ✓
CORROSIVE SOLID, NOS/CORROSIVE	VE MATERIAL/UN 1759/	OIL CRUDE COAL TAR	0		
RQ HAZARDOUS SUBSTANCE, LIQU	ID, NOS/ORM-E/NA 918	88 (NAPHTHALENE)	4. 19. 2	<i>1</i>	
RQ HAZARDOUS SUBSTANCE, LIQUID, NO	S/ORM-E/NA 9188 (NAPHTH	ALENE)/CRUDE NAPHTHALEN	IE 3		
NAPHTHALENE (LESS THAN 100# P.	ACKAGE)		•		· .
RQ HAZARDOUS SUBSTANCE, LIQUID, NOS,	ORM-E/NA 9188 (CREOSOTE)	/CREOSOTE COAL TAR SOLUT			
TAR OR PITCH, COAL OR PETROLEU	M, PAVING, ROOFING	*	6		
CRUDE COAL TAR			0		
OIL, CRUDE COAL TAR			0		
COAL TAR DISTILLATE/FLAMMABLE	LIQUID/UN 1136/CRUD	E HEAVY SOLVENT NAPH			
1 H/C BINDER, ELECTRODE			<u> </u>		
RQ HAZARDOUS SUBSTANCE, LIQU					
COATING SOLUTION/FLAMMABLE		OATING, ASPHALT, AR BASE	@		
ROOFING COATING ASPHALT, PITC			<u> </u>		
CEMENT, ROOFING LIQUID/FLAMM	ABLE LIQUID/NA 1133/	ROOFING CEMENT, NOI			
ROOFING CEMENT, NOI			®		
FELT OR PAPER, BUILDING, ROOFIN			<u> </u>		
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RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S	· · · · · · · · · · · · · · · · · · ·				
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PHTHALIC ANHYDRIDE	HD /NA 10/2/COMBOUND B	UNIT OR LACOUER TURNING	@ _		
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PAINT, DRT, LOWE OR FOWDERED	<u> </u>		W	1 0/0	100
	***************************************	TY	anract	paid 9/7	M3
C.O.D. \$ TO BE PAID BY CONSIGN	PLACARDED NEE	TENDERED OR		†FCT. WGT. FACTOR	
EMIT TO	†WEIGHED AT	PLACARI BY	D-TRUCK	(# / G)	
	GROSS	RATED SHELL (GALS.) CAPACITY		to apply in prepayment	of the charges on
ubject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to onsignee without recourse on the consignor, the consignor shall sign the following statement:	TARE	SHELL			
he carrier shall not make delivery of this shipment without payment of freight an ther lawful charges.	(OUTAGE		Agent or C	Cashier
Signature of Consignor Per See below	ALLNCE.	+ DOME INNAGE		(The signature here ack	knowledges only the
Note. Where the rate is dependent on value, shippers are required to state specifically in w he released or declared value of the property. The agreed or declared value of the property is h	NET WT.	TOTAL %		amount prepaid.) CHARGES ADVANCED	
ated by the shipper to be not exceeding 170 cents per pound for each distribution package."	PERMA 436 SE	NENT POST-OFFICE ADDRESS OF SHIPP VENTH AVENUE - PITTSBURGH, PA. 152	ER: 219	\$	
his is to certify that the above named materials are properly classified, described, packaged, market ibeled and are in proper condition for transportation according to the applicable regulations of the D early Franciscotton	spart. I lampher mereny commes mar mis si	hipment is correctly described; correct weight in according to agreement with the Weighing			
on of Transportation. (OPPERS INDIOSTRIES, IND.,-Shipper,	and Inspection Bureau having jurisdicti		BN RR		AGENT
ER July Juner	PER		PER		
Signature of Shippe's agent next above is also intended as execution of Section 7. Signature above must appear in longhand.					



STRAIGHT BILL OF LADING SHORT FORM ORIGINAL—NOT NEGOTIABLE

O

SHIPPERS ORDER NO.

661-500132XX

CONSIGNEES ORDER NO.

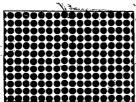
SHIPPERS NO.

AGENTS NO.

KG 55562

							NONE		. !			
			ully filed tariffs in effect on	the date of issu	e of this Bill of Lading,				†The fibre bo	xes and/or	the fibre bo	arrels,
		NDUSTRIES, INC	1		LAND, OR		DATE 7/	13/93	tThe fibre bo drums, pails o used for this SI cations set for thereon (if an quirements of Freight Classific	r tubs and/ hipment can	or the paper orm to the sp	pecifi- ficate
e property described b	elow, in a	pparent good arder, ex	cept as noted (contents and cond	ition of contents of	packages unknown), marked	, consigned and des	tined as indicated below, which sain	company (the	thereon (if an	y required)	and all other	er re-
ord company being und	erstood th	roughout this contract as	meaning any person or corporat	tion in possession of	the property under the cont	ract) agrees to carry	to its usual place of delivery at sain tny of said property over all or any	destination, if	Freight Classific	ations.	07 (401)01101	
ute to destination, and	as to eac	h party at any time inte	rested in all or any of said prope	irty, that every servi	ce to be performed hereund	ler shall be subject to	o all the conditions not prohibited b		†Shipper's impr bill of lading	rint in lieu of approved	stampnotap by the Inter	rstate
			s of lading conditions, which are he		he shipper and accepted for	himself and his assign			Commerce Com	imission.		
ONSIGNED T			ALUMINUM	co.		 .			 *If the Shipment to by water, the law state whether it is 	requires that	the bill of ladin	g shall
			MENT #451									SEE
ESTINATION		VANCOUV	ER, WA 98	860								
IAME OF			•				CAR OR VEH. IN. & N		CAR OR VEH. SE	EAL NO.		
CARRIER		BN RR	·				NP 7530	08				
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		OIL, CRUDE	COAL TAR						8			
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·			SHIPPER	CONSIGNEE			OR		F	FACTOR		
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bject to Section 7 of	Condition	s of applicable bill of	lading, if this shipment is to be	delivered to the		CAP	ACITY			property describe		- •
			or shall sign the following staten ment without payment of		TARE	- ,	SHELL OUTAGE			Agen	or Cashier	
her lawful charges.		NDUSTRIES, INC.	• • • • • • • • • • • • • • • • • • • •	•	ALINCE.		DOME	-	Per			
		See \bigstar below	ow				INNAGE				acknowledges	only the
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e released or declare	d value o	the property. The agr	eed or declared value of the propound for each distribution pa	roperty is hereby					CHAI	RGES ADVANCE	Þ	
						PERMANENT PO 436 SEVENTH	OST-OFFICE ADDRESS OF SHIP AVENUE - PITTSBURGH, PA. 11	PER: . 5219	s			
beled and a <u>re</u> in pgpp	above no er conditio	omed materials are pro n for transportation pcc	perly classified, described, packa ording to the applicable regulation	iged, marked and ons of the Depart-			correctly described; correct weight	T	<u> </u>			
ont of Transportation. OPPERS INDUST		//			is shown and is subject to and Inspection Bureau hav		ng to agreement with the Weighing	BNR	R			AGENT
(Les	$\gamma \mathcal{X}$	Thu	ner		PER			PER				
* Signature of Si	higiper's a	gent next above is also	intended as execution of Section	in 7.	· En		•	11-14				

Signature above must appear in longhand.



STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL—NOT NEGOTIABLE

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SHIPPERS ORDER NO.

661-500132XX

CONSIGNEES ORDER NO.

AGENTS NO.

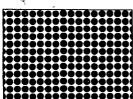
SHIPPERS NO.

KG 55559

		0000				NO	NE					
RECEIVED, subject to	the class	sifications and lawfully filed tariffs in effect on	the date of issue	of this Bill of Lo	oding,		1	10	†The fibre drums, pa	e boxes and/o ils or tubs and ils Shipment co it forth in the f any required s of the Uniforn	r the fibre bo /or the paper	bags
ROM KO	PPERS	NDUSTRIES, INC.	AT PORT	LAND,	OR		DATE 7	/9/93	cations se	t forth in the	maker's certi	ficate
e property described bord company being und	elow, in ap derstood thi	pporent good order, except as noted (contents and cond oughout this contract as meaning any person or corpora	ition of contents of p tion in possession of t	ackages unknown), the property under	marked, consigned a the contract) agrees to	nd destined as indicate carry to its usual place	ed.below, which said ce of delivery at said	company (the destination, if	quirements Freight Cla	of the Uniform	n or National	Motor
n its own road or its aw oute to destination, and	n water lin as to each	e, otherwise to deliver to another carrier on the route to party at any time interested in all or any of said prope	said destination. It is	mutually agreed, a to be performed	as to each carrier of hereunder shall be su	all or any of said prop bject to all the conditi	serty over all or any	portion of said	tShipper's	imprint in lieu o ding approved	f stamp not a p	art of
		ncluding classification bills of lading conditions, which are h	ereby agreed to by th	e shipper and accep	pted for himself and his	assigns.			Commerce	Commission.		ا الحصير
CONSIGNED T		VANALCO ALUMINUM	co.						by water, the state whether	nent moves between le law requires that it is carrier's or sh	en two ports by a It the bill of ladin ipper's weight.	g shail
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DESTINATION		VANCOUVER, WA 988	60				R OR VEH. IN. & N		CAR OR VE	H, SEAL NO.		
NAME OF CARRIER	•							1	CAR OR VE	n, seal No.		
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 		COATING SOLUTION/FLAMA				ITING, ASPHALT BASE			D			
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jubiect to Section 7 of	Condition	s of applicable bill of lading, if this shipment is to b	a delivered to the			SHELL (G CAPACITY	ALS.)			to apply in prep the property descri	oayment of the cl ibed hereon.	horges on
onsignee without recou	urse on the	consignor, the consignor shall sign the following state delivery of this shipment without payment of	ment:	TARE		- SHELL OUTAGE					ent or Cashier	
ther lawful charges.		NDUSTRIES, INC.		ALLNCE.		DOME				Per		
	-	See ★ below				INNAGE				(The signature h amount prepaid.)	ere acknowledge	s only the
Note: Where the rate	e is depen	ident on value, shippers are required to state spec If the property. The agreed or declared value of the p	ifically in writing	NET WT.		@ °	9. F W		1	CHARGES ADVAN	CED	
		sceeding 170 cents per pound for each distribution p			PERMAN	ENT POST-OFFICE	ADDRESS OF SHIP	PER:				
his is to certify that th	e above n	amed materials are property classified, described, pack	aged, marked and	†Shipper herehy	certifies that this ship	ENTH AVENUE - PI				\$		
nent of Transpartation		on for transportation according to the applicable regular	ions of the Depart-	is shown and is s	subject to verification reau having jurisdiction	according to agreeme		. 1	RR			_AGENT
KOPPERS INDÚST	KIES, IN	ic.,-snipper,	`,	•	J.			050				
Signature of 5	hippor's a	gent next above is also intended as execution of Secti	on 7.	PER	· · · · · · · · · · · · · · · · · · ·			PER				
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KI-70 REV. 1 20M 1/90

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.



STRAIGHT BILL OF LADING SHORT FORM ORIGINAL—NOT NEGOTIABLE

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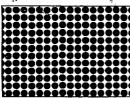
SHIPPERS NO.

661-500132XX CONSIGNEES ORDER NO.

AGENTS NO.

NONE RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, AT PORTLAND, OR DATE 7/10/93 KOPPERS INDUSTRIES, INC. the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked; consigned and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in passession of the property under the contract) agrees to carry to its suscel place of delivery at said destination, if on its own road or its own words: line, otherwise to deliver to another cornier on the route to said destination, at its mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by low, whether y of said property, that every service to be performed hereunder sins, which are hereby agreed to by the shipper and accepted for hims **CONSIGNED TO** VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT #451 DESTINATION VANOUUVER, WA 98860 CAR OR VEH. IN. & NO. CAR OR VEH. SEAL NO. NAME OF **CARRIER** BN RR NP 75343 **ROUTE** BN RR CONSIGNEE'S NOTIFICATION ADDRESS PITTSBURGH, PA KOPPERS INDUBTRIES PREPAID TNC. DOT SHIPPING NAME/HAZARD CLASS DESCRIPTION OF ARTICLES, SPECIAL CLASS **PACKAGES** WEIGHT (IF APPLICABLE) **MARKS & EXCEPTIONS** NO. AND KIND JBJECT TO CORRECTIO CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/QIL CRUDE COAL TAR O RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHATENE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE 0 NAPHTHALENE (LESS THAN 100# PACKAGE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION 0 TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING 0 CRUDE COAL TAR OIL, CRUDE COAL TAR 0 COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA 0 BINDER, ELECTRODE ◐ 1 H/C RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL **D** COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ ROOFING COATING, ASPHALT, Ø ROOFING COATING ASPHALT, PITCH OR TAR BASE ® CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI 0 ROOFING CEMENT, NOI ❿ FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING 0 ROOFING, NOIBN, COMPOSITION OR PREPARED Ð RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE 1 RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214 ø PHTHAUC ANHYDRIDE 0 PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING Tramact Paid 9/1 PAINT, DRY, LUMP OR POWDERED PLACARDED TENDERED TO BE PAID BY tFCT, WGT, †C.O.D. \$ REMIT TO PLACARD-TRUCK (# / G) TWEIGHED AT BY RATED GROSS (GALS.) to apply in prepayment of the charges on the property described hereon. SHELL CAPACITY Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the contignee without recourse on the consigner, the consigner shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all TARE SHELL OUTAGE KOPPERS INDUSTRIES, INC. ALLNCE. Signature (of Consignor) per — (The signature here acknowledges only the See ★ below NET WT. amount prepaid.) "Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package." CHARGES ADVANCED PERMANENT POST-OFFICE ADDRESS OF SHIPPER: †Shipper hereby certifies that this shipment is correctly described; correct weight is shows and is subject to verification according to agreement with the Weighing and Inspection Bureau having jurisdiction. BN RR AGENT KOPPERS HIDUSTRIES, INC., Shipper, umer PER

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.



KI-70 REV. 1 20M 1/90

STRAIGHT BILL OF LADING SHORT FORM. ORIGINAL—NOT NEGOTIABLE

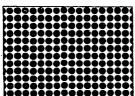
661-500132XX

AGENTS NO

KG 55554 CONSIGNEES ORDER NO. NONE RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, 7/9/93 AT PORTLAND OR 97210 KOPPERS INDUSTRIES, INC. DATE the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), morked, consigned and destined as indicated below, which said company ward company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to corry to its usual place of delivery at said destination. **CONSIGNED TO** VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT # 451 DESTINATION VANCOUVER WA 98860 CAR OR VEH. IN. & NO. CAR OR VEH. SEAL NO. NAME OF CARRIER BN RR NP-75300 **ROUTE** BN RR CONSIGNEE'S NOTIFICATION ADDRESS KOPPERS INDUSTRIES PITTSBURGH PA PREPAID DOT SHIPPING NAME/HAZARD CLASS **DESCRIPTION OF ARTICLES, SPECIAL** CLASS WEIGHT **PACKAGES** OR HM (IF APPLICABLE) MARKS & EXCEPTIONS NO. AND KIND UBJECT TO CORRECTION CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE 0 NAPHTHALENE (LESS THAN 100# PACKAGE) Ø RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION 0 0 TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING CRUDE COAL TAR 0 OIL, CRUDE COAL TAR 0 COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA 0 ◐. H/K RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ POTENT TAR BASE 0 ROOFING COATING ASPHALT, PITCH OR TAR BASE Œ. CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI Ø ROOFING CEMENT, NO 0 FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING ROOFING, NOIBN, COMPOSITION OR PREPARED RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE 0 RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214 **®** PHTHALIC ANHYDRIDE PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING PAINT, DRY, LUMP OR POWDERED PLACARDED TENDERED HFCT. WGT. tC.O.D. \$ TO BE PAID BY FACTOR CONSIGNEE (# / G) REMIT TO **TWEIGHED AT** RY RATED GROSS (GALS.) CAPACITY Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consigner shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all TARE SHELL OUTAGE DOME INNAGE ALLNCE. KOPPERS INDUSTRIES, INC. (The signature here acknowledges only the (of Consignor) per ---See ★ below int prepaid.) NET WT "Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package." CHARGES ADVANCED PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 436 SEVENTH AVENUE - PITTSBURGH, PA. 15219 This is to certify that the above named materials are properly classified, described, packaged, mark †Shipper hereby certifies that this shipment is correctly described; correct weight BN RR AGENT KOPPERS TNEUSTRIES, INC _Shipper PER * Signature of Shipper's agent next above is also

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.



STRAIGHT BILL OF LADING SHIPPERS ORDER NO. ORIGINAL—NOT NEGOTIABLE SHIPPERS ORDER NO. 661-50

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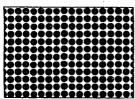
661-500132XX CONSIGNEES ORDER NO.

AGENTS NO.

SHIPPERS NO.

KG55553

FROM KOPERS INDUSTRIES, INC. AT PORTLAND OR 97210 The property described below, in apparent and order or the date of issue of this Bill of Loddings. AT PORTLAND OR 97210 The property described below, in apparent and order acceptance or in acceptance of the conditional order of the property described below, in apparent and order or
TONSIGNED TO VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT # 451 DESTINATION VANCOUVER WA 98860 NAME OF CARRIER BN RR NP-75334 FCHARGES ARE TO BE PREPAID PACKAGES NO. AND KIND HM CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING CORROSIVE SOLUTION, OS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING CONSIGNED TO THE PROMBED TO THE CARBOT TO THE CHARGE SUBSTINCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING
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†WEIGHED AT BY Received
GROSS RATED SHELL (GALS.) to apply in prepayment of the charges o
Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the
consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all OUTAGE Agent or Cashier
ether lawful charges. Signature KOPPERS INDUSTRIES, INC. ALLINCE. DOME INDIAGE
Signature (of Consignor) per See ★ below NET WT. TOTAL % (The signature here acknowledges only the amount prepaid.)
*Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby
stated by the shipper to be not exceeding 170 cents per pound for each distribution package PERMANENT POST-OFFICE ADDRESS OF SHIPPER:
This is to certify that the above named materials are properly classified, described, packaged, marked and lobeled and are in proper condition for transportation according to the applicable regulations of the Departure of the properture of the pr
is shown and is subject to verification occording to agreement with the Weighing and Inspection Burseau having jurisdiction. BN RR AGEN
PER PER
Signature of Shipper's agent next above is also intended as execution of Section 7. Signature above must appear in longhand.



STRAIGHT BILL OF LADING SHORT FORM ORIGINAL—NOT NEGOTIABLE

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SHIPPERS ORDER NO.

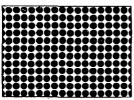
661-500132XX CONSIGNEES ORDER NO.

SHIPPERS NO.

AGENTS NO.

KG 55552

				·	NONE			-, - -	
ECEIVED, subject to	the clas	ssifications and lawfully filed tariffs in effect on the date of	issue of this Bill of Lading,		7/8/93	†The	fibre boxes and/or	the fibre bo	arrels,
ROM KO	PPERS I	INDUSTRIES, INC. AT PO	ORTLAND OR 972	10	DATE	used	for this Shipment con	form to the s maker's cert	pecifi- ificate
ord company being uno n its own road or its ow oute to destination, and	derstaad th rn water lis I as to eac	pparent good order, except as noted (contents and condition of contents to the contents of the	on of the property under the contract) agrees to in. It is mutually agreed, as to each carrier of a service to be performed hereunder shall be su	carry to its usual pla all or any of said prop biect to all the conditi	ce of delivery at said destin	there quire ation, if of said whether bill Com	if fibre boxes and/or is, pails or tubs and/ for this Shipment can nors set forth in the sen (if any required) ments of the Uniform ht Classifications. pper's imprint in lieu of of lading approved merce Commission.	and all oth or National stamp not a by the Inte	Motor port of erstate
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onsignae without recou	irse on the	ns of applicable bill of lading, if this shipment is to be delivered to a consignor, the consignor shall sign the following statement: delivery of this shipment without payment of freight and	all	- SHELL OUTAGE				nt or Cashier	
Signature KO	PPERS I	INDUSTRIES, INC. See ★ below	ALLNCE.	+ DOME INNAGE			(The signature he amount prepaid.)	re acknowledge:	s only the
ne released or declare	ed value o	ndent on value, shippers are required to state specifically in writ of the property. The agreed or declared value of the property is here xceeding 170 cents per pound for each distribution package."	eby	@ °	f W		CHARGES ADVANCE	ED .	
		-	436 SEVE	NTH AVENUE - PI	ADDRESS OF SHIPPER: TTSBURGH, PA. 15219		\$		•
his is to certify that the obeled and are in pro- ent of Transportation OPPERS INDUST	er condition	named materials are properly classified, described, pockaged, marked on for transportation according to the applicable regulations of the Dep NC.,-Shipport,	tShipper hereby certifies that this shipper is shown and is subject to verification and Inspection Bureau having jurisdiction.			BN RE	₹		_AGENT
	1111	Mark	PER		PE	R			
★ Signatury of S	hippar's a	agent gext above is also intended as execution of Section 7.					 		*
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STRAIGHT BILL OF LADING—SHORT FORM ORIGINAL—NOT NEGOTIABLE 03

SHIPPERS ORDER NO.

COURDEDS NO

AGENTS NO.

661-500**0**32XX KG55551 CONSIGNEES ORDER NO. NONE. RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, 7/8/93 FROM KOPPERS INDUSTRIES, INC. the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to corry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another corrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether PORTLAND OR 97210 time interested in all or any of said property, that every service to be performed hereunder shall be subject to ication bills of lading conditions, which are hereby agreed to by the shipper and accepted for himself and his assigns **CONSIGNED TO** XX VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT # 45] DESTINATION VANCOUVER WA 98860 CAR OR VEH. IN. & NO. CAR OR VEH. SEAL NO. NAME OF **CARRIER** BN RR GN-71536 **ROUTE** BN RR CONSIGNEE'S NOTIFICATION ADDRESS KOPPERS INDUSTRIES PITTSBURGH PA PREPAID DOT SHIPPING NAME/HAZARD CLASS **DESCRIPTION OF ARTICLES, SPECIAL** CLASS **PACKAGES** WEIGHT OR (IF APPLICABLE) NO. AND KIND MARKS & EXCEPTIONS SUBJECT TO CORRECTIO RATE CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE) 0 RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE 0 NAPHTHALENE (LESS THAN 100# PACKAGE) Ö RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION 0 TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING 0 CRUDE COAL TAR O OIL, CRUDE COAL TAR 0 0 COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA BINDER, ELECTRODE H/C RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL Ø COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ POTCH OR TAR BASE ROOFING COATING ASPHALT, PITCH OR TAR BASE ® CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI Ø ø ROOFING CEMENT, NOI FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING **1** ROOFING, NOIBN, COMPOSITION OR PREPARED Ø RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE 0 RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214 **@** PHTHALIC ANHYDRIDE PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING PAINT, DRY, LUMP OR POWDERED Tramack Poind & 19 193 PLACARDED TENDERED †C.O.D. \$ TO BE PAID BY ffCT, WGT. CONSIGNEE OR **FACTOR** PEMIT TO PLACARD-TRUCK (# / G) **†WEIGHED AT** RATED GROSS (GALS.) to apply in prepayment of the charges on the property described hereon. SHELL Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the contignes without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all TARE consignee without the carrier shall not make as the carrier shall Agent or Cashier ALLNCE. DOME INNAGE See ★ below mount prepaid.) NET WT. TOTAL "Note: Where the rate is dependent on value, shippers are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package." CHARGES ADVANCED PERMANENT POST-OFFICE ADDRESS OF SHIPPER: 436 SEVENTH AVENUE - PITTSBURGH, PA. 15219 This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Depart-BN RR AGENT KOPPERS TNEUSTRIES, INC., Shipper, ture of Shipper's agent next abo Tive is also intended as execution of Section 7.

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

~%\ }\

\$ 7

TO ADDRESSEE

RB429479171

ORIGIN

SEE REVERSE FOR SERVICE GUARANTEE,

INSURANCE COVERAGE AND CLAIMS.
THANK YOU FOR CHOOSING EXPRESS

MAIL SERVICE.

Koppers009362

PRIVACY ACT: Your name and address may be used by the Postal Service to send you updated information about Express Mail service. You may request removal of your name and address from our mailing list by writing Assistant Postmaster General, Marketing Department, USPS, Washington, DC 20260-6300.

Authority 39 U.S.C. 401, 403, 404.

Additional information on Express Mail Service can be obtained at any post office or by writing USPS/Headquarters, Washington, DC-20260-6334

SERVICE GUARANTEE:

If this shipment is mailed at designated USPS Express Mail service facilities on or before the specified deposit time for overnight delivery to the addressee, it will be delivered to the addressee or agent before noon or 3:00 p.m. the next day. Upon application by, the mailer, the USPS will refund the postage for this shipment if it is not delivered before noon or 3:00 p.m. of the next day, unless delivery was attempted, but could not be made, or because this shipment was delayed by strike or work stoppage Consult your local Express Mail directory for morning and afternoon delivery areas. See the Domestic Mail Manual, Chapter 2, for details. Signature of the addressee, addressee's agent, or delivery employee is required upon delivery.

Express Mail International Service mailings are not covered by this service quarantee. See the International Mail Manual for : details.

INSURANCE COVERAGE:

(See Section 295 of the Domestic Mail Manual for exclusions of

coverage, such as negotiable items and consequential loss.)
(1) Merchandise Insurance. Merchandise is insured against loss, damage or rifling up to a maximum of \$500. Indemnity will not be paid for spoilage of perishable items.

(2) Document Reconstruction Insurance. Non-negotiable documents are insured against loss, damage or rifling up to \$50,000 per piece subject to a limit of \$500,000 per occurrence.

(3) The maximum indemnity payable for negotiable items, cash. currency, or bullion is \$15.

CLAIMS:

- (1) Claims for delay, loss, damage or rifling must be made or (1) Claims for delay, loss, damage or mining must be within 90 days. Claim forms may be obtained and filed at any
- (2) The Customer Receipt must be presented when a claim 1\$

KI-70 REV. 1 20M 1/90

STRAIGHT BILL OF LADING SHORT FORM ORIGINAL—NOT NEGOTIABLE

SHIPPERS ORDER NO.

SHIPPERS NO.

661-500132XX CONSIGNEES ORDER NO.

00132XX K

KG555/

AGENTS NO.

NONE

ROM KOPPERS to property described below, in ord company being understood in its own road or its own water to destination, and as to e		ed this Bill of Loding, L'LAND OR 97	7/7/	93 tihe frums	ibre boxes and/or pails or tubs and/	the fibre barrels, or the paper bags
ord company being understood in its own road or its own water oute to destination, and as to e				cations	ibre boxes and/or pails or tubs and/ or this Shipment con s set forth in the in (if any required) ents of the Uniform Classifications.	form to the specifi- maker's certificate and all other re-
its own road or its own water ute to destination, and as to e	apparent good order, except as noted (contents and condition of contents of p throughout this contract as meaning any person or corporation in possession of	the property under the contract) agr	ses to carry to its usual place of delivery at said d	ompany (the quirem	ents of the Uniform Classifications.	or National Motor
rinted or written, herein containe	I line, otherwise to deliver to another corrier on the route to said destination. It in that party at any time interested in all or any of said property, that every service, including classification bills of lading coordinans, which are hereby agreed to by the	s mutually agreed, as to each carrie se to be performed hereunder shall	r of all or any of said property over all or any po be subject to all the conditions not prohibited by I	ow, whether bill of Comme	er's imprint in lieu of lading approved erce Commission.	stamp not a part of by the Interstate
ONSIGNED TO	VANALCO ALUMINUM	CO		- "If the S by wate	hipment moves between ir, the law requires that	two ports by a carrier the bill of lading shall
TREET ADDRESS	KXHXN CONSIGNMEN	NT # 451		state wh	nether it is carrier's or ship	per's weight.
ESTINATION	VANCOUVER WA 9886	50				SEE
NAME OF CARRIER	BN RR		CAR OR VEH. IN. & NO GN = 71.578	CAR O	R VEH. SEAL NO.	-
OUTE	BN RR			IF CHA	ARGES ARE TO EPAID, WRITE	
ONSIGNEE'S NOT	TIFICATION ADDRESS KOPPERS INT	OUSTRIES PI	TTSBURGH PA	OR S	TAMP HERE BE PREPAID"	PREPAII
PACKAGES NO. AND KIND	(II ATTEICABLE)		CRIPTION OF ARTICLES, SP MARKS & EXCEPTIONS	ECIAL .	WEIGHT IBJECT TO CORRECTION)	CLASS OR ✓ RATE
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· · · · · · · · · · · · · · · · · · ·	TAR OR PITCH, COAL OR PETROLEUM,	PAVING, ROOFING	· · · · · · · · · · · · · · · · · · ·	6		
	CRUDE COAL TAR			• •		
	OIL, CRUDE COAL TAR	<u> </u>		8		
	COAL TAR DISTILLATE/FLAMMABLE LIQ	UID/UN 1136/CRUI	DE HEAVY SOLVENT NAPH	THA 9		
1 H/C	BINDER, ELECTRODE		·····	•		
	RQ HAZARDOUS SUBSTANCE, LIQUID,			TE OIL 🕦		
	COATING SOLUTION/FLAMMABLE LIQU	JID UN 1139/ PITCH OR	COATING, ASPHALT, TAR BASE	Ø		
	ROOFING COATING ASPHALT, PITCH C				_·	
	CEMENT, ROOFING LIQUID/FLAMMABL	E LIQUID/NA 1133	/ROOFING CEMENT, NOI	(
	ROOFING CEMENT, NOI	<u>,</u>		(·
	FELT OR PAPER, BUILDING, ROOFING,			(
	ROOFING, NOIBN, COMPOSITION OR I		· · · · · · · · · · · · · · · · · · ·	O	•	-
	RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./OR					
	RQ PHTHALIC ANHYDRIDE, SOLID, IMO	CLASS 8, CORROS	IVE MATERIAL, UN2214	(D)		
	PHTHALIC ANHYDRIDE		4.	20		
	PAINT RELATED MATERIAL/FLAMMABLE LIQUID/1	NA 1263/COMPOUND,	PAINT OR LACQUER THINNING	2		
4.5	PAINT, DRY, LUMP OR POWDERED			22		
†C.O.D. \$	TO BE PAID BY SHIPPER CONSIGNEE	PLACARDED	TENDERED OR		†FCT, WGT. FACTOR	
REMIT TO		RAIL	PLACARO	TRUCK	(# / G)	
		†WEIGHED AT	BY		Received	•
subject to Section 7 of Condit	tions of applicable bill of lading, if this shipment is to be delivered to the	GROSS	RATED SHELL (GALS.) CAPACITY		\$ to apply in preparate property describe	yment of the charges as ad hereon.
onsignes without recourse on	the consignor, the consignor shall sign the following statement: e delivery of this shipment without payment of freight and all-	TARE	- SHELL OUTAGE		Ager	t or Cashier
ther lawful charges.	S INDUSTRIES, INC.	ALLNCE.	+ DOME	 	Per	
of Consignor) per —	See ★ below		INNAGE		(The signature her amount prepaid.)	e acknowledges only the
he released or declared value	pendent on value, shippers are required to state specifically in writing te of the property. The agreed or declared value of the property is hereby t exceeding 170 cents per pound for each distribution package."	NET WT.	TOTAL % @ °F W NAMENT POST-OFFICE ADDRESS OF SHIPPE	R:	CHARGES ADVANCE	D
his is to certify that the above	e named materials are properly classified, described, packaged, marked and		SEVENTH AVENUE - PITTSBURGH, PA. 152	iA .	\$	
obeled and are in proper cond- nent of Transportation. COPPERS INDUSTRIES,	dition for transportation according to the applicable regulations of the Depart-		shipment is correctly described; correct weight tion according to agreement with the Weighing ction.	BN I	RR	AGĘŅŢ
	IMI / I//a//	PER		PER		

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

SHORT FORM

This Shipping Order MN-3158963-01

must be legibly filled in; in.lnk, in Indelible Pencil, or in Carbon and retained by the Agent.

U)

SHIPPERS ORDER NO.

661-500132XX

CONSIGNEES ORDER NO.

NONE

SHIPPERS NO.

AGENTS NO.

KG55549

		sifications and lawf NDUSTRIES, INC	ully filed tariffs in effec	1	of this Bill of Lading,	97210	7/7/1 DATE	93 drum	tibre boxes and/or is, pails or tubs and/o for this Shipment conf	the fibre bai or the paper form to the sp	bags ecifi-
ne property described be ord company being unde n its own road or its own	low, in ap prstood the water lin	oparent good order, exc roughout this contract as e, otherwise to deliver t	ept as noted (content) and meaning any person of cor o another carrier on the rou	condition of contents of p poration in possession of te to said destination. It	packages unknown), marked, the property under the control is mutually agreed, as to eac	consigned and destined as lict) agrees to carry to its usu	indicated below, which said cor pal place of delivery at said de- id property over all or any port conditions not prohibited by la	mpany (the stination, if ion of said w, whether	ifibre boxes and/or is pails or tubs and/or for this Shipment confins set forth in the neon (if any required) sments of the Uniform ht Classifications. pper's imprint in lieu of of Idding approved imerce Commission.	and all other or National A	Motor
		ncluding classification bill	s of lading conditions, which i	are hereby agreed to by th	ne shipper and accepted for his		· · · · · · · · · · · · · · · · · · ·				
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NAME OF CARRIER		10	N RR				CAR OR VEH. IN. & NO.	CAR	OR VEH. SEAL NO.		
ROUTE			N RR		······································	GN-715	78	IF C	HARGES ARE TO		
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PACKAGES NO. AND KIND	нм		IPPING NAME, (IF APPLICA	HAZARD CLA		ESCRIPTION C	F ARTICLES, SPE	CIAL	WEIGHT (SUBJECT TO CORRECTION)	CLASS OR RATE	_\
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		RQ HAZARE	OUS SUBSTAN	ICE, LIQUID, I	NOS/ORM-E/N	A 9188 (NAPH	THALENE)	2	3.2		T
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		NAPHTHALE	NE (LESS THAI	100# PACK	AGE)			0			<u> </u>
		RQ HAZARDO	US SUBSTANCE, LI	QUID, NOS/ORA	Λ-E/NA 9188 (CREC	OSOTE)/CREOSOTE	COAL TAR SOLUTION	ON 5			
		TAR OR PITO	CH, COAL OR F	ETROLEUM,	PAVING, ROOF	NG		6			
		CRUDE COA	AL TAR			•		•			
		OIL, CRUDE						0			
		COAL TAR [DISTILLATE/FLA	MMABLE LIQ	UID/UN 1136/C	RUDE HEAVY	SOLVENT NAPHI	THA 9			
1 H/C		BINDER, ELE	CTRODE					0			<u></u>
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)/PHTHALIC ANHYD				+-
				, SOLID, IMO	CLASS 8, CORE	COSIVE MATERI	IAL, UNZZI4	• 🔞			+
	· ·	PHTHALIC A		MARIE HOUR /	NA-1263/COMPOU	ND BAINT OF LAC	COLLED THIMMINIC	20	,		
			, LUMP OR PO		1A-1203/ COMPOU	ND, PAINT OR LAC	GOEK THIIAIAIIAG	2 0			+-
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			TO BE DAID BY		PLACARDED	TER	NDERED		tFCT. WGT.		
†C.O.D. \$			TO BE PAID BY	CONSIGNEE		OR_			FACTOR		-
REMIT TO					†WEIGHED AT		PLACARD-1 BY	RUCK	(# / G)		
					GROSS	RATED SHELL CAPACITY	(GALS.)		to apply in prepay		arges on
onsignee without recou The carrier shall not	rse on the	consignor, the consign	lading, if this shipment is or shall sign the following s ment without payment	tatement:	TARE	- SHELL OUTAG				or Cashier	
	PERS I	NDUSTRIES, INC. See ★ bel			ALLNCE.	+ DOME INNAGI			Per (The signature here	e ocknowledges	only the
Note: Where the rate	is deper	ident on value, shippe	ors are required to state treed or declared value of t		NET WT.	TÖTAL @	°F %		omount prepaid.) CHARGES ADVANCE	D	
stated by the shipper to	be not e	ceeding 170 cents per	r pound for each distributi	on package."		PERMANENT POST-OF	FICE ADDRESS OF SHIPPER E - PITTSBURGH, PA. 1521	i:	s		
This is to certify that the obeled and are in proponent of Transportation. KOPPERS INDUSTS	er conditio	on for transportation acc	operty classified, described, cording to the applicable re-	packaged, marked and sulations of the Depart		hat this shipment is correctly verification according to ag g jurisdiction.		സൂട്ട⇔ Agentn	RR nust detach and retain st sign the Original Bi	this Shipping Il of Lading.	g Order
PER	[1/	4/10	e/		PER						
★ Signature of St	upper's o	gent next above is also	Intended as execution of S	echon 7.				•	CH.	IDDING O	DUED



MEMORANDUM COPY OF STRAIGHT **BILL OF LADING—SHORT FORM**

SHIPPERS ORDER NO.

661-500132XX

AGENTS NO.

SHIPPERS NO.

MN-3158963-01

This Memorandum MN-3158963-0 is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a capy or duplicate, covering the property named herein, and is intended solely for filling or record.

CONSIGNEES ORDER NO.

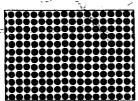
KG55549

*****	1000	0000			NONE			
		sifications and lawfully filed tariffs in effect on the date of issue INDUSTRIES, INC. AT POR		of Lading, D OR 972	1 7/7	/93 d	he fibre boxes and/or ims, pails or tubs and/ al for this Shipment con tions set forth in the i trean (if any required) irements of the Uniform ight Classifications.	the fibre barrels, or the paper bags form to the specifi- naker's certificate
vord company being und in its own road or its ow oute to destination, and	erstood the n water lin as to each	pparent good order, except as noted (contents and condition of contents of a roughout this contract as meaning any person or corporation in possession of se, otherwise to deliver to another corrier on the route to said destination. It is hearly at any time interested in all or any of said property, that every service including classification bills of lading conditions, which are hereby agreed to by the	the property s mutually ag e to be perfe	under the contract) agrees to preed, as to each corrier of ormed herounder shall be su	o carry to its usual place of delivery at said of all or any of said property over all or any p object to all the conditions not prohibited by	destination, if ortion of said law, whether bil	reon (if any required) irements of the Uniform ight Classifications. hipper's imprint in lieu of I of Iading approved mmerce Commission.	and all other re- or National Motor stamp not a part of by the Interstate
CONSIGNED T	0	VANALCO ALUMINUM	CO		•		the Shipment moves between water, the law requires that te whether it is carrier's or ship	
STREET ADDRE	SS.	EXESM CONSIGNME		451		sto	te whether it is carrier's or ship	iper's weight.
DESTINATION		VANCOUVER WA 988		-10 L	· · · · · · · · · · · · · · · · · · ·			SEE
NAME OF		TANCOULDE HA JOO	, , , , , , , , , , , , , , , , , , , 		CAR OR VEH. IN. & NO). CA	R OR VEH. SEAL NO.	
CARRIER		BN RR				ł	ì,	
		BN RR		Gi	N-71578	1F	CHARGES ARE TO	
ROUTE	NOT					BE O	CHARGES ARE TO PREPAID, WRITE R STAMP HERE TO BE-PREPAID"	
	NOH	FICATION ADDRESS KOPPERS IN DOT SHIPPING NAME/HAZARD CLA			PSBURGH PA PTION OF ARTICLES, SP	PECIAL	1	PRBPAID CLASS
PACKAGES NO. AND KIND	НМ	(IF APPLICABLE)			MARKS & EXCEPTIONS		WEIGHT (SUBJECT TO CORRECTION)	OR ✓ RATE
2. 2	क्षा -	CORROSIVE SOLID, NOS/CORROSIVE A				0		400-41-41-41-41
	39	RQ HAZARDOUS SUBSTANCE, LIQUID,						
		RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/OI		4 9188 (NAPHTHA	LENE)/CRUDE NAPHTHALEN			
···		NAPHTHALENE (LESS THAN 100# PACK	AGE)			<u> </u>		
	<u> </u>	RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORA	4-E/NA 9	188 (CREOSOTE)/	CREOSOTE COAL TAR SOLUT	10N 5		
		TAR OR PITCH, COAL OR PETROLEUM,	PAVINO	, ROOFING		6		
		CRUDE COAL TAR				0		
		OIL, CRUDE COAL TAR				Ø		
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1 H/C		BINDER, ELECTRODE				<u> </u>		
1.0/6		RQ HAZARDOUS SUBSTANCE, LIQUID,	NOS/C	RM-F/NA 918	R (CREOSOTE)/CREOSO			
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	<u></u>	FELT OR PAPER, BUILDING, ROOFING,	OB CHE	ATUNC		©		
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· · · · · · · · · · · · · · · · · · ·	ļ	PAINT RELATED MATERIAL/FLAMMABLE LIQUID/1	NA 1263/	COMPOUND, PAI	NT OR LACQUER THINNING	<u> </u>		
·		PAINT, DRY, LUMP OR POWDERED						
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†C.O.D. \$		TO BE PAID BY CONSIGNEE	PLACARI	DED	TENDERED		†FCT. WGT.	
REMIT TO		SHIPPER CONSIGNEE		RAIL	OR PLACARI	-TRUCK	FACTOR (# / G)	
KCMIII 10			†WEIGH		BY		Received	
			GROSS		RATED			
Subject to Section 7 of	Condition	as of applicable bill of lading, if this shipment is to be delivered to the			SHELL (GALS.) CAPACITY		to apply in prepa the property describ	yment of the charges on ad herean.
consignee without recou	rse on the	o consignor, the consignor shall sign the following statement: delivery of this shipment without payment of freight and all	TARE		- SHELL OUTAGE			,-,
other lawful charges.			ALLNCE.		. DOME		Per	t or Cashier
	PPEKS I	NDUSTRIES, INC. See ★ below	ALLI VOL.		INNAGE		(The signature her	e acknowledges only the
	is deper	ndent on value, shippers are required to state specifically in writing	NET WT.		TOTAL % @ °F W		amount prepaid.)	
he released or declare	ed value o	of the property. The agreed or declared value of the property is hereby sceeding 170 cents per pound for each distribution package."					CHARGES ADVANCE	D
				PERMAN 436 SEVI	ENT POST-OFFICE ADDRESS OF SHIPPI ENTH AVENUE - PITT3BURGH, PA. 152	ER: 119	s	
labeled and are in prop	e above n ser conditio	named materials are properly classified, described, packaged, marked and on for transportation according to the applicable regulations of the Depart-	†Shipper h	ereby certifies that this ship	ment is correctly described; correct weight according to agreement with the Weighing			
ment of Transportation. KOPPERS INDUS,T	RIES, IN	VC.,-Shipper,		ion Bureau having jurisdiction		B	RR	AGENT
DED Z	t/l^m	7. T	PER			PER		
* Signature of S	hipper's o	agent next above is also intended as execution of Section 7.	· - : ·					
		ppear in longhand.	-					

KI-70 REV. 1 20M 1/90

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMITEC 800-424-9300 DAY OR NIGHT.

CONSIGNEE'S COPY NOTICE OF SHIPMENT AND MEMO COPY OF BILL OF LADING



STRAIGHT BILL OF LADING X SHIPPERS ORDER NO. ORIGINAL—NOT NECONABRE 661-5

AGENTS NO.

661-500132XX

SHIPPERS NO.

 $\mathrm{KG}_{\,55550}$

					N	ONE				
· ·		ifications and lawfully filed tariffs in effect	1	- ·		7/7/9	3	The fibre boxes and/or rums, pails or tubs and/ sed for this Shipment con	the fibre ba for the paper form to the st	rrels, bags pecifi-
		NDUSTRIES, INC.	1	TLAND OR 97		DATE		inge hare doves and of items, pails or tubs and sed for this Shipment constitions set forth in the lereon (if any required) birements of the Uniform eight Classifications.	maker's certif and all othe	ficate er re-
ord company being und its own road or its own ute to destination, and	erstood thr n water line as to each	parent good order, except as noted (contents and a bughout this contract as meaning any person or corp e, otherwise to deliver to another carrier on the rout party at any time interested in all or any of said p totuding classification bills of lading conditions, which as	oration in possession of e to said destination. It is roperty, that every service	the property under the contract) agre is mutually agreed, as to each carrier to to be performed herounder shall b	es to carry to its usual place of all or any of said prop to subject to all the condition	ce of delivery at said d enty over all or any po	tion of said iw, whether	uirements of the Uniform eight Classifications. Shipper's imprint in lieu of ill of lading approved ommerce Commission.	or National I stamp not a p by the Inter	Motor art of state
ONSIGNED TO	0	VANALCO AL	HIINTNIIN	CO				f the Shipment moves between water, the law requires that	n two perts by a	carrier a shall
TREET ADDRE	SS	CONSIGNMEN					st	ate whether it is carrier's or shi	pper's weight.	
ESTINATION		VANCOUVER					-			SEE
IAME OF CARRIER		BN RR				FOR VEH. IN. & NO.	-	AR OR VEH. SEAL NO.		
OUTE		BN RR					ß	CHARGES ARE TO	REPAI	ח
ONSIGNEE'S	NOTIF	ICATION ADDRESS KOPE	ERS IND	USTRIES PIT	TSBURGH	PA	ő	P STAMP HEDE	REEXE	
PACKAGES NO. AND KIND	нм	DOT SHIPPING NAME/ (IF APPLICA	HAZARD CLA		RIPTION OF A MARKS & EX	RTICLES, SPI		WEIGHT (SUBJECT TO CORRECTION)	CLASS OR RATE	~
		CORROSIVE SOLID, NOS/C	ORROSIVE A	MATERIAL/UN 1759	OIL CRUDE C	OAL TAR	0		<u> </u>	
	164	RQ HAZARDOUS SUBSTAN	CE, LIQUID, I	NOS/ORM-E/NA 91	88 (NAPHTHA	LENE)	0	1.50	•	
		RQ HAZARDOUS SUBSTANCE, L	IQUID, NOS/OI	RM-E/NA 9188 (NAPHTI	HALENE)/CRUDE	NAPHTHALEN	• 0	j ·		
		NAPHTHALENE (LESS THAN	100# PACK	AGE)			0			
		RQ HAZARDOUS SUBSTANCE, LIC	QUID, NOS/ORA	ME/NA 9188 (CREOSOTI	E)/CREOSOTE CO	AL TAR SOLUTI				
		TAR OR PITCH, COAL OR P	ETROLEUM,	PAVING, ROOFING			6			
		CRUDE COAL TAR					0			
		OIL, CRUDE COAL TAR					0)		_
		COAL TAR DISTILLATE/FLA	MMABLE LIQ	UID/UN 1136/CRUE	DE HEAVY SOL	VENT NAPH	THA \rm)		
H/C		BINDER, ELECTRODE					0			
		RQ HAZARDOUS SUBSTAN				E)/CREOSO	TE OIL 🚺)		<u> </u>
		COATING SOLUTION/FLAM	MABLE LIQU	JID UN 1139/ PITCH OR	COATING, ASPHALT, TAR BASE		<u> </u>			
		ROOFING COATING ASPH			 		©		· · · · · · · · · · · · · · · · · · ·	
		CEMENT, ROOFING LIQUID)/FLAMMABI	E LIQUID/NA 1133,	ROOFING CE	MENT, NOI	Q			1
		ROOFING CEMENT, NOI					©			
		FELT OR PAPER, BUILDING,								
		ROOFING, NOIBN, COMPO	DSITION OR I	PREPARED			Q)		
		RQ HAZARDOUS SUBSTANCE, SC								
		RQ PHTHALIC ANHYDRIDE,	SOLID, IMO	CLASS 8, CORROSI	VE MATERIAL,	UN2214	©			ļ
		PHTHALIC ANHYDRIDE								
		PAINT RELATED MATERIAL/FLAM		NA 1263/COMPOUND, F	AINT OR LACQUE	R THINNING	<u> </u>			
		PAINT, DRY, LUMP OR POV	VDERED				<u> </u>	,		┷
C.O.D. \$		TO BE PAID BY	CONSIGNEE	PLACARDED	TENDERI OR	ED		†FCT. WGT. FACTOR		
EMIT TO		Stirrek		RAIL	OK	PLA CARD-	TRUCK	(# / G)		
				TWEIGHED AT		BY		Received		
	6 10		1 12 1. 1	GROSS	RATED SHELL (G/ CAPACITY	ALS.)		\$ to apply in preparate property describ		 arges (
onsignee without recou he carrier shall not ther lawful charges.	rse on the t make d	s of opplicable bill of lading, if this shipment is to consignor, the consignor shall sign the following st lelivery of this shipment without payment	otement:	TARE	- SHELL OUTAGE			Per Age	nt or Cashier	
	PPERS II	NDUSTRIES, INC. See ★ below		ALLNCE.	+ DOME INNAGE			(The signature her	re acknowledges	only t
		dent on value, shippers are required to state s	pecifically in writing	NET WT.	TOTAL @ °F	% W		omount prepaid.)		
e released or declare	d value of	the property. The agreed or declared value of the ceeding 170 cents per pound for each distribution	ne property is hereby	PERM 436 S	AMENT POST-OFFICE A	ADDRESS OF SHIPPE	R: 9	CHARGES ADVANCE	ED	
	er conditio	omed materials are properly classified, described, p n for transportation according to the applicable reg C.,-Shipper,		†Shipper hereby certifies that this is shown and is subject to verificat and Inspection Bureau having jurisdi	ion according to agreemen		BNRR			AGEN
ED ///	11/11	Mul		PER		1	PER			
* Signature of S	hippors o	gent riext above is also intended as execution of S	ection 7.		,					

STRAIGHT BILL OF LADING SHORT FORM

This Shipping Order MNXXXMXXX MNXX MNXX M

or in Carbon, and retained by the Agent.



SHIPPERS ORDER NO.

NONE

661-500132XX CONSIGNEES ORDER NO.

SHIPPERS NO.

AGENTS NO.

KOPPERS INDUSTRIES, INC.

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading,

PORTLAND OR 97210 AT

7/7/93 DATE

CONSIGNED TO VANALCO ALUMINUM CO STREET ADDRESS CONSIGNMENT # 451 DESTINATION VANCOUVER WA 98860 CAR OR VEH. IN. & NO. CAR OR VEH. SEAL NO. NAME OF

SLSF-182008

CARRIER		BN RR	ı			
ROUTE		BN RR	IF B€	CHARGES ARE TO	PREPAT	מו
CONSIGNEE'S	NOTI	FICATION ADDRESS KOPPERS INDUSTRIES PITTSBURGH PA	O.	PREPAID, WRITE ISTAMP HERE	RERXE	¥==
PACKAGES NO. AND KIND	нм	DOT SHIPPING NAME/HAZARD CLASS DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS		WEIGHT	CLASS OR RATE	~
		CORROSIVE SOLID, NOS/CORROSIVE MATERIAL/UN 1759/OIL CRUDE COAL TAR	0			
	14	RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)	2	1 70 1 1	. (14)	
		RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (NAPHTHALENE)/CRUDE NAPHTHALENE	0			T^{-}
-		NAPHTHALENE (LESS THAN 100# PACKAGE)	0			\top
		RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE COAL TAR SOLUTION	0			
		TAR OR PITCH, COAL OR PETROLEUM, PAVING, ROOFING	6			
		CRUDE COAL TAR	0			
		OIL, CRUDE COAL TAR	0			
		COAL TAR DISTILLATE/FLAMMABLE LIQUID/UN 1136/CRUDE HEAVY SOLVENT NAPHTHA	0			
1 H/C		BINDER, ELECTRODE	0			
		RQ HAZARDOUS SUBSTANCE, LIQUID, NOS/ORM-E/NA 9188 (CREOSOTE)/CREOSOTE OIL	O			
		COATING SOLUTION/FLAMMABLE LIQUID UN 1139/ POOFING COATING, ASPHALT, PICH OR TAR BASE	0			
		ROOFING COATING ASPHALT, PITCH OR TAR BASE	₿			
	<u></u>	CEMENT, ROOFING LIQUID/FLAMMABLE LIQUID/NA 1133/ROOFING CEMENT, NOI	•			
	L	ROOFING CEMENT, NOI	(
		FELT OR PAPER, BUILDING, ROOFING, OR SHEATHING	(
		ROOFING, NOIBN, COMPOSITION OR PREPARED	O			
		RQ HAZARDOUS SUBSTANCE, SOLID, N.O.S./ORM-E/NA 9188 (PHTHALIC ANHYDRIDE)/PHTHALIC ANHYDRIDE	0			
	<u> </u>	RQ PHTHALIC ANHYDRIDE, SOLID, IMO CLASS 8, CORROSIVE MATERIAL, UN2214	•		·	<u> </u>
		PHTHALIC ANHYDRIDE	@			
		PAINT RELATED MATERIAL/FLAMMABLE LIQUID/NA 1263/COMPOUND, PAINT OR LACQUER THINNING	4			
		PAINT, DRY, LUMP OR POWDERED	2			
				1		
				!	ł	

†C.O.D. \$	TO BE PAID BY CONSIGNEE	PLACARDED	TENDERED OR		†FCT. WGT. FACTOR
REMIT TO		RAIL	PLACARD	-TRUCK	(# / G)
		TWEIGHED AT	ВУ		Received
		GROSS	RATED SHELL (GALS.) CAPACITY		\$ to apply in prepayment of the charges on the property described horeon.
consignee without recourse on the consig	oplicable bill of lading, if this shipment is to be delivered to the nor, the consignor shall sign the following statement: ry of this shipment without payment of freight and all	TARE	SHELL OUTAGE		Agent or Cashier
, Signature KOPPERS INDUS	STRIES, INC. ee ★ below	ALLNCE.	+ DOME INNAGE		Per (The signature here acknowledges only the
Note: Where the rate is dependent of the pereleased or declared value of the p	on value, shippers are required to state specifically in writing roperty. The agreed or declared value of the property is hereby	NET WT.	TOTAL % @ °F W		charges advanced
stated by the shipper to be not exceeding	ng 170 cents per pound for each distribution package."		MANENT POST-OFFICE ADDRESS OF SHIPPE SEVENTH AVENUE - PITTSBURGH, PA. 152		\$
	materials are properly classified, described, packaged, marked and ransportation according to the applicable regulations of the Depart- hipper,		is shipment is correctly described; correct weight ation according to agreement with the Weighing diction.	RNR Ant must and must si	detach and retain this Shipping Order gn the Original Bill of Lading.

SHIPPING ORDER



MEMORANDUM COPY OF STRAIGHT BILL OF LADING—SHORT FORM

AGENTS NO.

SHIPPERS NO.

SHIPPERS ORDER NO. 661-500132XX CONSIGNEES ORDER NO.

This Memorandum MN_3158963-02 is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

KG 55550

		sifications and lawfully filed tariffs in effe		()L . (() . ()	4.		NONE	+The f	ibre boxes and/or	the fibre bo	77013
ROM KOI	PPERS I	NDUSTRIES, INC.	AT PO	RTLAND	OR 97		7/7/93 DATE	drums, used fo cations	ibre boxes and/or pails or tubs and/ or this Shipment con set forth in the (if any required) ents of the Uniform	or the paper form to the sp maker's certif and all other	bags ecifi- icate
ord company being und n its own road or its aw oute to destination, and	derstood the n water lin as to each	opporent good order, except as noted (contents and oughout this contract as meaning any person or co e, otherwise to deliver to another carrier on the ro party at ony time interested in all or any of said natuding classification bills of lading conditions, which	rporation in possession of ute to soid destination. It property, that every serv	f the property under the is mutually agreed, a ice to be performed h	he contract) agrees as to each carrier of nereunder shall be s	to carry to its usual plan all or any of said prop subject to all the conditi	ce of delivery at said destinat perty over all or any portion o	~o, " 70:10:111	ents of the Uniform Classifications. er's imprint in lieu of Iading approved erce Commission.		
ONSIGNED T	0	VANALCO A	C.IIMTEGIN	ന					hipment moves between r, the law requires that either it is carrier's or ship		
TREET ADDRE	SS	CONSIGNME					······································	state wh	esher it is carrier's or shi	pper's weight.	
ESTINATION		VANCOUVER									SEE
NAME OF			RA_500	V			SF-182008		VEH. SEAL NO.		
ROUTE		BN RR		,				IF CHA	RGES ARE TO		
	NOTIF		DODG TH	nuomn re	3C D.T.M	nonuncu	T) b	OR S	ARGES ARE TO EPAID, WRITE TAMP HERE BE PREPAID"	REPAI	D
PACKAGES NO. AND KIND	нм	DOT SHIPPING NAME (IF APPLIC		ASS	DESCR		RTICLES, SPECIA	AL	WEIGHT BJECT TO CORRECTION)	CLASS OR RATE	√
		CORROSIVE SOLID, NOS/	CORROSIVE I	MATERIAL/L	JN 1759/C	OIL CRUDE C	OAL TAR	0			
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		RQ HAZARDOUS SUBSTANCE,	LIQUID, NOS/C	RM-E/NA 918	8 (NAPHTHA	ALENE)/CRUDE	NAPHTHALENE	3			
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· · · · · · · · · · · · · · · · · · ·		RQ HAZARDOUS SUBSTANCE, L	QUID, NOS/OR	M-E/NA 9188	(CREOSOTE)	CREOSOTE CO	AL TAR SOLUTION	6			1
		TAR OR PITCH, COAL OR			<u> </u>			Ğ			+
	 	CRUDE COAL TAR						Ŏ			+
	<u> </u>	OIL, CRUDE COAL TAR	···					ě			+-
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	<u> </u>	ROOFING COATING ASPI					· · · · · · · · · · · · · · · · · · ·	®			
	<u> </u>	CEMENT, ROOFING LIQUI	D/FLAMMAB	LE LIQUID/I	NA 1133/R	ROOFING CE	MENT, NOI	•			<u> </u>
		ROOFING CEMENT, NOI						(
		FELT OR PAPER, BUILDING	, ROOFING,	OR SHEATH	IING			(
		ROOFING, NOIBN, COMP	OSITION OR	PREPARED				①			
		RQ HAZARDOUS SUBSTANCE, S			(PHTHALIC	ANHYDRIDE)/PH	THALIC ANHYDRID				1
	\vdash	RQ PHTHALIC ANHYDRIDE						Ď		·	T
	 	PHTHALIC ANHYDRIDE	,					<u> </u>			\top
	 	PAINT RELATED MATERIAL/FLAM	MARIE HOUD/	NA 1263/COA	APOLIND PAI	INT OR LACOUR	R THINNING	0			+
		PAINT, DRY, LUMP OR PO		14A 1203/ CON	ni Collo, i A	IN OK LACGOL	.K ITIII AIAIAO	Ø			+
		PAINT, DRT, LOMP OR PO	WDERED					<u> </u>			+
p25-				1							
†C.O.D. \$		TO BE PAID BY	CONSIGNEE	PLACARDED		TENDER OR	ΕU		†FCT. WGT. FACTOR		
REMIT TO			=		RAIL		PLACARD-TRUCK		(# / G)		
				†WEIGHED AT	Г		BY		Received		
Subject to Section 7 of	Condition	s of applicable bill of lading, if this shipment is	to be delivered to the	GROSS		RATED SHELL (G. CAPACITY	ALS.)		to apply in prepa the property describ		arges o
The carrier shall no	urse on the It make	consignor, the consignor shall sign the following delivery of this shipment without paymer	statement: it of freight and all	TARE		- SHELL OUTAGE			Ago	nt or Cashier	<i>-</i> -
	PPERS I	NDUSTRIES, INC. See★ below		ALLNCE.		+ DOME INNAGE			(The signature her amount prepaid.)	re acknowledges	only the
he released or declare	ed value o	ident on value, shippers are required to state fithe property. The agreed or declared value of sceeding 170 cents per pound for each distribut	the property is hereby	NET WT.	PERMAN	© °F	% W ADDRESS OF SHIPPER:		CHARGES ADVANCE	ED	
his is to costifu that sk	e obove -	amed materials are properly classified, described,	packaged marked and	<u> </u>	436 SEV	PIT AVENUE - PIT	TSBURGH, PA. 15219		\$		
ns is to certify that mobeled and ore in proposent of Transportation. KOPPERS INDUST	per condition	on for, transportation according to the applicable re	egulations of the Depart	is shown and is sul and Inspection Bure		pment is correctly descr according to agreemen n.	it with the Weighing	BNRR			AGENT
ER		continue above is also intended as execution of		PER			PER				
	ninner's A	name nave obove is pled intended or execution of	section /								

REGULATIONS REQUIRE:

EACH B/L MUST BE

FORM MAY BE-TYPED OR HANDWRITTEN IF HANDWRITTEN, PLEASE PRESS HARD

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	BEG.	Â	P				•			ING—SH	ORT		PERS ORDER N			5	ENIDO	ERS NO		
	END	A .	Р		his Men		VIII			53-10)	661-5		32XX		-			
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1	ROM KO	PERS I	NDUSTRI	S, INC.	·		AT E	PORT	LAND	, OR			DAT	_E 7/13	3/93	used fo	r this Shipmer set forth in	the m	orm to the s	specifi- rificate
10	property described be rd company being und	erstood the	roughout this c	entract as r	meaning any p	serson or corpo	oration in pa	ossession of	the property u	ider the contract) o	crees to e	carry to its use	ual place of deliv	ery at said d	estination, if	guirem	ents of the Ur Classifications	iform	or National	Motor
n	its own road or its own re to destination, and	water lin as to each	e, otherwise to a party at any	deliver to time intere	another carrie	er on the route any of said pe	to soid des operty, that	stination. It is every service	s mutually agr e to be perfor	red, as to each ca med hereunder sho	rier of all Il be subj	ll or any of sa rject to all the	id property over	all or any po	rfion of said		er's imprint in l lading appr rce Commission		tamp not a	part of erstate
-	ONICIONIED TO								e shipper and	accepted for himself	and his a	assigns.								
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-	ESTINATION		VANC				8860	<u></u>									•		$\neg <$	SEE
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			·				SOFID	<u>, IMO</u>	CLASS	B, CORRO	SIVE	MATER	IAL, UN2	214		@				
					NHYDRI			101110 11	12.10/0/				OUED THE	1.10.10		@				+
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									GROSS			RATED SHELL CAPACITY	(GALS.)				to apply in		ment of the o	charges o
a	ubject to Section 7 of ensignee without recou	rse on the	consignor, th	e consigno	or shall sign th	e following str	atement:		TARE		-+	SHELL					property		-	
ı	he carrier shall no ther lawful charges.	make	delivery of.	this ships				and all	ALLNCE.		\dashv	OUTAG					Per	Agent	or Cashier	
		PPERS	NDUSTRIE See 1	s, inc. ★ <i>bel</i> c	ow				ALLIACE.			+ DOME					(The signat		acknowledge	es only the
	Note: Where the rate		ndent on valu	e, shippei	ers are require				NET WT.			TOTAL @	°F	% W			CHARGES A		D	
	e released or declare ated by the shipper to								 	PI	RMANEI	NT POST-OF	FICE ADDRESS	OF SHIPPE			_	_,	-	
	nis is to certify that the								†Shipper he	reby certifies that			IE - PITTSBURG				\$			
ĸ	beled and are in property of Transportation. OPPERS INDUST			//	ording to the c	ppikable regi	uranons of t	me veport-	is shown an	is subject to veri n Bureau having ju	fication a				BN	RR				_AGEN1
•	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~152/19	ووراناد-، په	7, .					1					1						

* Signature of Shipper's agent next above is also intended as execution of Section 7.

Signature above must appear in longhand.

KI-70 REV, 1 20M 1/90

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR

EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, PLEASE PRESS HARD

Data in this block for TRUCK		. р					FRT, CHEC	ruo Lugar	ACENTE N	·	· ·
IN	<u> </u>	м	(RANDUM COPY OF OF LADING—SHO		() PRIL CHECI	K NO. AMOUNT	AGENTS N	5 .	
BEG.	A	P M		BILL	OF LADING—SHOI		ORDER NO.		SHIPPERS N	10.	
END	<u> </u>	Р	This Memoran	dum MN-3	158963-09 as been issued and is not	66	1-500132X	Y	VC		
	<u>M</u>	- M	the Original Bill of Ladir named herein, and is in	ng, nor a copy or dupl	icate, covering the property	CONSIGN	LEES ORDER NO.		- תט	5556	53
OUT	Ã	M	·····	, , , , , , , , , , , , , , , , , , , ,		NOI	NE 				
RECEIVED, subject to	the class	ifications	and lawfully filed tariffs in effe	ct on the date of issue	of this Bill of Lading,		1	†The f drums,	ibre boxes and/or pails or tubs and or this Shipment coi s set forth in the n (if any required ents of the Uniforn	the fibre be	arreis, r bags
			IES, INC.	AT PORT			DATE 7/13	/93 cotions	r this Shipment coi set forth in the a (if any required	maker's certi) and all oth	ificate ier re-
word company being und an its own road or its ow	derstood thro on water line	rughout this , atherwise	I order, except as noted (contents and contract as meaning any person or co to deliver to another carrier on the ro	rporation in passession of ute to said destination. It is	the property under the contract) agree is mutually agreed, as to each carrier	ns to carry to its usual plo of all or any of said pro	ace of delivery at said destina perty over all or any portion	mon, 11 12/21/21/11	Classifications.		
			y time interested in all ar any of said ification bills of lading conditions, which				tions not prohibited by law, w	thether bill of Comme	er's imprint in lieu o lading approved erce Commission.	by the Inte	rstate
CONSIGNED T	0 V	ANA	LCO ALUMINUN	1 CO.	- 11			*if the S by wate	hipment moves between, the law requires that tether it is carrier's or shi	en two perts by c t the bill of ladir	a carrier ng shall
STREET ADDRE			IGNMENT #45					state wh	ether if is carrier's or sh	ipper s weight.	SEE
DESTINATION	\	ANC	OUVER, WA S	98860		· · · · · · · · · · · · · · · · · · ·	IR OR VEH. IN. & NO.	CARO	R VEH. SEAL NO.		استنه
NAME OF CARRIER	_							CARO	I VEH, SEAL NO.		
ROUTE		N_R			_	SL:	SF 82358	IF CH	ARGES ARE TO		
		N R	N ADDRESS KOPPI	TOC THOU	STOTES INC	DITTTCR	IIDĆH DA	OR S	EPAID, WRITE TAMP HERE BE PREPAID"	PREPAI	רח
PACKAGES	1		OT SHIPPING NAME				ARTICLES, SPECI		WEIGHT	CLASS	T
NO. AND KIND	НМ		(IF APPLICA	ABLE)		MARKS & EX	XCEPTIONS	(Su	BJECT TO CORRECTION)	OR RATE	~
		CORR	OSIVE SOLID, NOS/	CORROSIVE A	MATERIAL/UN 1759/	OIL CRUDE C	OAL TAR	Q			
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			ZARDOUS SUBSTANCE,			IALENE)/CRUDE	NAPHTHALENE	0			
			THALENE (LESS THA					0			
	\vdash		ZARDOUS SUBSTANCE, L)/CREOSOTE CO	DAL TAR SOLUTION				-
	\vdash		OR PITCH, COAL OR I	PETROLEUM,	PAVING, ROOFING			0			-
			RUDE COAL TAR					8			-
	1		TAR'DISTILLATE/FLA	MMARIE LIO	UID/UN 1136/CRUD	E HEAVY SO	I VENT NAPHTH				+
1 H/C	\vdash		R, ELECTRODE	WWW.DEL EIGH	01D/ 014 1100/ CROD	E HEAVE SO	EVERY IVALUITO	Ď			+
			AZARDOUS SUBSTAN	VCE, LIQUID,	NOS/ORM-E/NA 91	88 (CREOSO	TE)/CREOSOTE				+-
****			ING SOLUTION/FLA				.,	Ď			
			ING COATING ASPH					Ø			
		CEME	NT, ROOFING LIQUI	D/FLAMMABL	E LIQUID/NA 1133/	ROOFING CE	EMENT, NOI	0			
			ING CEMENT, NOI					(
	-		OR PAPER, BUILDING	<u> </u>				©			
			ING, NOIBN, COMP					0			-
	-		ZARDOUS SUBSTANCE, S								
		5	ATHALIC ANHYDRIDE	, SOLID, IMO	CLASS 8, CORROSIN	VE MATERIAL	, UN2214	®			+-
			ALIC ANHYDRIDE RELATED MATERIAL/FLAM	MARIE HOUD/N	NA 1263/COMPOUND P	AINT OR LACOU	ER THINNING	<u> </u>			+-
			T, DRY, LUMP OR PO		17. 1200/ COM OUTO, 11	MINI OK LACGO	EK IIIII II II I	<u> </u>			+
			, ,								+-
†C.O.D. \$			TO BE PAID BY	CONSIGNEE	PLACARDED	TENDE OR	RED		†FCT. WGT. FACTOR		
REMIT TO					TWEIGHED AT		PLACARD-TRUC BY	K	(# / G)		
•					GROSS	RATED			s		
Subject to Section 7 of	Condition	of applica	ible bill of lading, if this shipment is	to be delivered to the	0	SHELL (C CAPACITY	GALS.)		to apply in prep	ayment of the c bed hereon.	harges on
consignee without reco	urse on the	consignor,	the consignor shall sign the following this shipment without paymen	statement:	TARE	- SHELL OUTAGE				ent or Cashier	
other lawful charges.			ES, INC.	•	ALLNCE.	↓ DOME			Per		
			★ below		NET WE	TOTAL	Ψ.		(The signature he amount prepaid.)	ere acknowledge	s only the
the released or declar	ed value of	the prope	lue, shippers are required to state rty. The agreed or declared value of	the property is hereby	NET WT.		°F %		CHARGES ADVANCE	CED	-
stated by the shipper t	o be not ax	ceeding 17	O cents per pound for each distribut	ion package."	PERM. 436 S	ANENT POST-OFFICE EVENTH AVENUE - P	ADDRESS OF SHIPPER: HTTSBURGH, PA. 15219		s		
labeled and are in pro	e above no per conditio	med mater	ials are properly classified, described, ortation according to the applicable re	packaged, marked and egulations of the Depart-	†Shipper hereby certifies that this	shipment is correctly des	scribed; correct weight				
Mont of Transportation.	1		//		is shown and is subject to verification and Inspection Bureau having jurisdiction.		ent with the Weighing I	BN RR			_AGENT
PER /	enl		ruper		PER		PEF	₹			
* Signature of Signature abo		gent next a	bove is also intended as execution of	Section 7.						PLANT C	OPY

7/9 TY.
NP 15334
NP 75300

NF 75619 Reat. Gn 71536 7/7

John 7/6/13
GN.71578
Ilef-182008
477
7 · V 9

KOPPERS COAL TAR PRODUCTS PTY LTD

A.C.N. 003 947 699 Woodstock Street, Mayfield .N.S.W.

P.O. Box 23,

Mayfield, N.S.W. 2304

Australia.

Telephone: 61 49 674777

No 1273 130

RR.85634

Fax: 61 49 674998

INVOICE NO:

DATE: GOODS: 6884 17th November, 1993

Hard Pitch

SHIPPED PER:

PALEISGRACHT

LOADING:

Ex Dalian, China on 10th November,1993

DISCHARGE: FOR ACCOUNT & RISK OF Portland (Oregon) USA

Koppers Industries Incorporated

1750 Koppers Building Pittsburgh, Pa. 15219

ORDER NO.

OM3-1670-5

QUANTITY & DESCRIPTION

UNIT PRICE USD/METRIC TONNE FOB PORTLAND USD

5456 M/T Hard Pitch Add Ocean Freight

SPECIFICATIONS

Mettler Softening Point: Fractional Distillation:

Quinoline Insoluble:

Moisture:

110.4 C (ASTM D3104)

3.1% (ASTM D2569) 4.2% (ASTM D2318)

0.2% (ASTM D95)

PACKING:

In Bulk

PAYMENT:

30 Days After Receipt of Goods to our bank account as follows:

Commonwealth Bank of Australia SYDNEY N.S.W. AUSTRALIA Refer Trade Finance FX

FOR AND ON BEHALF OF COAL TAR PRODUCTS PTY LTD

OEC 1 0 1993

KI 37W RE	V 2 6M 6/	90							CIRCI	F TERMS	ON INVOICE
GIL	DET.	S-DET.	LOC.	DEPT.	TAX	EMP#	MOVE # PO #	AMOUNT			314 1114 3132
5050	16	93	9270	Χ	0362				INV# 68	.84	DATE 11/17/93
									↓ A/	P DEPARTMEN	T USE ONLY
		_ (20.4						VENDOR NUMBER	0004	124000
	~			<u> </u>	1 1				TERMS.	DUE	DATE: 12/27/93
OK TO (\mathcal{L}	~3 ⁻¹	#70	Xania	100/3	GROSS A	MOUNT		DIVISION	MONTH	AUDIT NUMBER
IM	PORTAN	T: CIRC	LE TERMS			DISCOUN'	Г\$		483	Ja	000374

PAGE 1

HALL-BUCK MARINE, INC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

SHIP NAME : PALBISGRACHT		PRINTED 12/01	
CUSTOMER KOPPERS	; · · · · · · · · · · · · · · · · · · ·	10:16 AN	

PRODUCT	:PBNCIL PITCH					X. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.				
				DA			DATE	<u> </u>		
SHIPPBR	 300 1900 1900 1900 190000 100 	CAR		WBIGHT SHIP		RACING CONNERTS	LOADED	HOLD		
KOPPERS	VIABR/	BN		11/			11/29-2	666000 76667467600 6666000 7466744		
KOPPERS	VIABB/	811	419375	117			11/30-1			
KOPPBRS Koppbrs	VIABM/ADDL	B N		11/			11/30-1			
KOPPERS	VIABN/ VIABN/	BN Bn	419388 419495	11/			11/28-1 11/28-1			
KOPPERS	VINBH/	8 N		11/ 11/			11/20-1			
KOPPERS	VIABB/	BR	435027	117			11/28-2			
KOPPBRS	VIABB/	BN	435033	11/			11/28-2			
KOPPERS	VIABB/	BN	435425	11/		***	11/28-2			
KOPPBRS	VIABN/	BN	435474	11/			11/29-2			
KOPPBRS	VIABB/	BN	438033	11/			11/28-1			
KOPPERS	VIABR/	BN	475013.	111		()	11/28-1			
KOPPBRS	VIABR/	BN	475016	117	6/61 A		11/28-1			
KOPPBRS	VIABH/ADDL	CBQ.	85103	11/	186 5 7 7		11/30-1			
KOPPERS	VIABN/	CBQ	85120	11/		······································	11/28-1			
KOPPBRS	VIABB/	CBQ	85140	11/			11/29-1			
KOPPERS	VIABN/ADDL	CBQ	85159	11/	29		11/29-2	2		
ROPPBRS	VIABB/	CBQ	85163	11/	23		11/28-2	1		
KOPPERS	VIABB/	CBQ	85166	11/	!3		11/30-1	2		
KOPPBRS	VIABB/	CBQ	85178	11/	<u> </u>		11/28-1			
KOPPBRS	VIABB/	CBQ	85181	11/			11/28-1			
KOPPERS	VIAB#/ADDL	CBQ	85188	11/		CAR LOADED/PARTIAL	11/30-1			
KOPPERS	VIABR/	CBQ	85194	11/			11/28-1			
KOPPBRS	VIABB/	GR	71517	11/			11/28-1			
KOPPERS	VIABB/	GN	71523	11/	201 - 1781, 2 T		11/28-2			
KOPPERS	VIABB/	GR	71526	11/			11/28-1			
KOPPERS KOPPERS	VIABN/ VIABN/	G N G N	71529 71536	11/			11/29-2			
KOPPBRS	VIABH/	GN	71538	11/ 11/			11/29-2 11/29-1			
KOPPERS	VIABB/	GN	71548	11/			11/28-1			
KOPPERS	VIABR/	GR	71551	11/	3 3 J. 2004 13 9 J.		11/30-1			
KOPPERS	VIABB/	GH	71554	11/			11/29-1			
KOPPBRS	VIABN/	GN	71564	11/			11/29-1			
KOPPERS	VIABB/	G N	71573	11/	23		11/29-2	. 2		
KOPPERS	VIABR/	GN	71578	11/	23		11/28-2	1		
KOPPERS	VIAB#/	GN	71991	11/			11/28-2			
KOPPERS	VIABB/	GR		11/	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11/28-2			
KOPPBRS	VIABB/	GN	71998	11/			11/28-1			
KOPPBRS	VIABH/	GN	71999	11/			11/28-2			
KOPPBRS	VIABR/	N P	75300	11/			11/28-2			
KOPPERS	VIABR/	N P	75301	11/			11/29-1		Var. 1 (15., 1885 - 15. , 17.)	50000000000000000000000000000000000000
KOPPERS	VIABN/	NP nn	75303	117			11/28-1			
KOPPERS	VIABR/	NP.	75305	11/			11/28-2			
KOPPERS	VIABB/	10 D	75308	11/		<u> </u>	11/29-2		<u>07 (48) (6-3 e/</u>	<u> </u>
KOPPBRS KOPPBRS	VIABN/ VIABN/	N P	75311 75320	11/			11/28-1		•	
AVIIBAD	ATURE!	n C	13320	11/			11/28-2	! 1		

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PAGE 2											
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	HALL-BUCK MAR VBSSBL DISCHA			BULK TERNINA	L			<u> 184, 17 1 1 14 15 15 1</u>	<u> </u>		<u> </u>
	PALRISGRACHT				PRINTED						
LOAD DATE CUSTONER	\$0\$4545600000000000000000000000000000000				12/0 10:16 A					rdin Till om over • •	
PRODUCT	· PBNCIL PITCH									· · · · · · · · · · · · · · · · · · ·	أسيلتين
SHIPPER	RENARES	CAR	NUKBBR BBI	DATE GHT SHIPPED	RC TRACIB	G CONNERTS	DATE	# HOLD			
KOPPERS	VIABB/	82	75322	11/23			11/28-1	1			
KOPPERS	VIABB/	HP	7533 0 75331	11/23 11/23	<u> </u>		11/28-2 11/29-1	1			<u> </u>
KOPPERS	VIABE/	86	75334	11/23	,		11/29-1	2			
KOPPERS	VIABN/	R P	75343	11/23			11/28-1	1		**************************************	
KOPPERS Koppers	VIABB/ VIABB/	8 P 8 P	75345 75348	11/23 11/23			11/29-1 11/29-2	$\frac{2}{i}$			
KOPPBRS	VIABB/	82	75383	11/23			11/28-2	i ri			
KOPPERS	VIABB/	R P	75391	11/23			11/28-2	1		<u> </u>	
KOPPERS Koppers	VIABR/ VIABR/	N P N P	75392 75399	11/23 11/23			11/28-2 11/29-1	1 2			
KOPPERS	VIABB/	16	75619	11/23			11/29-2	· · · · · · · · · · · · · · · · · · ·	1,94 (1,000) 1 (2,5 (1,049))	á.	
KOPPERS	VIABB/	SLSP	82017	11/23			11/29-1	2			134
KOPPERS	VIABB/ VIABB/	SLSF	82228 82232	11/23 11/23			11/28-1 11/30-1	2	<u> </u>	<u> </u>	
KOPPBRS	VIABN/	SLSP	82234	11/23			11/29-1	2			
KOPPERS	VIABH/	SLSP	82235	11/23			11/28-1	1			7.6
KOPPERS Koppers	VIABB/ VIABB/	SLSP	82241 82284	11/23 11/23			11/29-2 11/29-2				ine. Nati
KOPPBRS	VIABB/	SLSP	82301	11/23			11/28-2	1			
KOPPERS	VIABH/	SLSF	82313	11/23			11/29-1	2			
KOPPERS Koppers	VIABB/ADDL VIABB/	SLSF SLSF	82316 82367	11/29 11/23			11/30-1 11/29-1	2			
KOPPERS	VIABH/	SLSP	182008	11/23			11/28-2	1 2			
KOPPBRS	VIABB/		182016	11/23			11/30-1	2			
KOPPERS	VIABE/ VIABE/	SLSF	182 0 58 182 0 67	11/23 11/23			11/28-2 11/28-2	1			
KOPPERS	VIABB/	SLSP	182080	11/23			11/29-1	2			•
KOPPERS	VIABB/		182130	11/23			11/29-2	2			
KOPPERS	VIABE/ VIABE/	SLSF	182177 182251	11/23 11/23			11/28-1 11/28-2	i i			
		•			98 CHDUSV			4 1 4 1.4			
			// 3403.1	6 M/T PBR DRA	rı gukabı						
POLLOWING	CARS RETURBED	TO BER	R AS EMPTIES:								
KOPPERS	VIABB/ADDL	BB	419421	11/29				ROLOAD	33:121:31		
KOPPERS	VIABM/ADDL	GN	71512	11/29		#AU'8 104#		NOLOAD			
KOPPERS	VIABN/REJECT	RP -	75350	11/23	BADORDER	WOH'T LOCK		NOLOAD		3 12 34	. 7 5 5

PORT AND DATE: PORTLAND 27/11/93

NOTICE OF READINESS

THIS IS TO NOTIFY THAT THE GOOD SHIP 'PALEISGRACHT' DULY ARRIVED IN THE PORT OF GOOD SHIP 'PALEISGRACHT' DULY ARRIVED IN THE PORT OF GOOD SHIP 'PALEISGRACHT' DULY ARRIVED IN THE PORT OF GOOD SHIP 'PALEISGRACHT' DULY ARRIVED IN THE COOD SHIP 'PALE

ACCORDING THE TERMS AND CONDICTIONS OF THE CHARTERPARTY AS AGREED.

ARRIVED ON THE ROAD: 27/11/0520
ARRIVED ALONGSIDE BERTH:

BHC+10 KM4 = 27/11/1415

MASTER MY 'PALEISGRACHT'

N. O.R. TENDERED: (DATE/TIME)

27 NOVEMBER 1993

1415 HRS

0800 HRS

N. D. R. ACCEPTED: (DATE/TIME)

28 NOVEMBER 1993

STONED

MAME: A. L. Amorate -) B

17/2/93

moan

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison

Peter Brauns

Report No.:

5893OR

Surveyor:

PM

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Paliesgracht

Voyage No.:

1 TC

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 414 Terminal 4

COMMODITY: Pencil Pitch

	INIT	TIAL SURVEY	FIN	AL SURVEY
DATE:		28-Nov-93		30-Nov-93
TIME:		8:00		15:00
DISPLACEMENT				
Draft Forward:		6.5500		2.9650
Draft Aft:		7.1750		4.7750
Midships-Port		6.6600		3.7300
Midships-Starboard		7.1600		4.0400
Mean of Means (Corrected)		6.8981		3.8813
Corresponding Displacement:		10,300.39		5,395.11
Trim Correction:		8.78		-61.58
Density Correction:	1.000	-251.44	1.000	-130.09
Corrected Displacment:		10,057.73		5,203.44
DEDUCTIONS:				
Fuel Oil:		304.30		304.30
Diesel Oil:		44.90		42.50
Fresh Water:		159.00		152.00
Ballast Water:		433.00		1,046.90
Others:		31.60		38.60
TOTAL:		972.80		1,584.30
INITIAL DISPLACEMENT:		9,084.93	M/Tons:	5,465.79
FINAL DISPLACEMENT:	_	3,619.14	L/Tons:	5,379.47

5,465.79

Original Signed by Chief Officer

Chief Officer

TOTAL CARGO:

Paliesgracht

Surveyor

S/Tons:

Captain Peter J. Morrison

6,025.00

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns Report No.:

58930R

Surveyor:

PM

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463 Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL: REQUEST OF: Paliesgracht

Voyage No.:

1 TC

REQUEST OF: COMMODITY:

Koppers Company Inc. Pencil Pitch LOCATION:

Berth 414

Terminal 4

	INIT	TAL SURVEY	F	INAL SURVEY
DATE:		28-Nov-93		30-Nov-93
TIME:		8:00		15:00
DISPLACEMENT				
Draft Forward:		6.5500		2.9650
Draft Aft:		7.1750		4.7750
Midships-Port		6.6600		3.7300
Midships-Starboard		7.1600		4.0400
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Trim Correction:		8.78		-61.58
Density Correction:	1.000	-251.44	1.000	-130.09
Corrected Displacment:		10,057.73		5,203.44
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Diesel Oil:		44.90		42.50
Fresh Water:		159.00		152.00
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INITIAL DISPLACEMENT:		9,084.93	M/Tons:	5,465.79
FINAL DISPLACEMENT:		3,619.14	L/Tons:	5,379.47
TOTAL CARGO:		5,465.79	S/Tons:	6,025.00

Original Signed by Chief Officer

Chief Officer

Paliesgracht

Surveyor

Captain Peter J. Morrison

A Solitary Balled of the Control of

12/06/93



CUSTOMER NO MAPREHENCES

HALL-BUCK MARINE, INC.

BURNSIDE, LOUISIANA 70738

Attachment-If Applicable

TIN 72-1073113

INVOICE NO. . 941253

DATE

11/30/93

Net 30 Days

PAGE #: 001

TO AMOS	FromKouin
Co.	Co.
Dept.	Phone #
Fax#	Fex #

083006			- APPropriation of the second	
Description	U/M	Quantity	Unit Price	Sub-Total
Portland Bulk Terminal				
Vessel Dishcarge				
Coal Tar Pitch				
1/V "Paleisgracht"				
Completed: 1420 11/30/93				
JOB#: 5058				
Discharge To Railcars	Tons	4,179.56	22,5000	94,040.10
ischarge To Trucks	Tons	1,285.60	16.7000	21,469.52
dditional Charges:				
abor For Tarping & Untarping				
of Trucks To Prevent Spillage				
1/28/93 - Day Shift S/T ! Men @ Per Shift Rate	n _+_	1 00	050 4000	0.50 40
1/28/93 - 2nd Shift S/T	Rate	. 1.00	858,4000	858.40
Men @ Per Shift Rate	Rate	1.00	1,079.0400	1,079.04
cale Man for Weighing of	Race	1.00	1,015.0400	1,018.04
rucks On November 28, 1993				
Day Shift S/T Per Shift Rate	Rate	1.00	594.4100	594.41
and Shift S/T Per Shift Rate	Rate	1.00	718.8800	718.88

Remit To: Hall-Buck Marine, Inc.

P. O. Box 54695

New Orleans, LA 70154

Sub-Total Non Taxable 118,760.35

Total Due

118,760.35

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

MEMORANDUM COPY OF STRAIGHT BILL OF LADING — SHORT FORM

SHIPPERS NO.

RG 7562.1

,				om the same			,		1 NOVEL
CEIVED, subject	to the cla	assifications and law	fully filed tariffs in effect or	CT 3164354-1 the date of issue of this Bill of Lading		17 /	0/02	FREIGHT BAS	
ROM KOPP	ERS	INDUSTRIE	S INC AT P	ORTLAND OR		DATE 义立			
onami haina i adamtaa	thra schout	this contract or magning o	the person or corporation in accessori	ents of packages unknown), marked, consigned and on of the property under the contract) agrees to camp nutually agreed, as to each carrier of all or any of said of hereunder shall be subject to all the conditions not ed for himself and his assigns.		tolicone of male donationalism	Manufacture	SHIPPERS OR	DER #:
iding classification bills	of lading or	onditions, which are hereby	agreed to be the shipper and accept	of hereunder shall be subject to all the conditions not ed for himself and his assigns. CARRIER/VEHICLE #:	pronibited by law, when	mer printed or written, nere	in contained,		
VANALC	O AL	UMINUM CO						661500)132
CONSIG				ROUTE: BN RR				CUSTOMERS	P.O. #;
VANCOU	VER	WA 98860		SOLD TO:					
			· .					·	
ACKAGES . AND KIND	НМ			NAME/HAZARD CLASS / PPLICABLE)		ON OF ARTIC RKS & EXCEP		CIAL	WEIGHT (SUBJECT TO CORRECTION)
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				THER REGULATED SUBSTA ID N.O.S. (CONTAINS BENZ					
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	Ì			3,14130//101					
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	- 1	GN CBQ	71526 85178		IN IP	438033 75311			·
	·	CBQ	85120		SLSF	82235			
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	ļ	BN	419493	, i	TOTE	707T/1			
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onsignee without	recourse o	on the consignor, the co	ding, if this shipment is to be de nsignor shall sign the following s	tatement: specifically in writing the released				POST-OFFICE ADDRES	
carrier shall no r lawful charges. nature	make di	envery of this shipme	ent without payment of freight	agreed or declared value of the pro not exceeding 170 cents per pound for	perty is hereby stated	d by the shipper to be	436 Seve	enth Avenue	
is to certify that	the above		properly classified, described, p				Pittsburg	h, PA 15219-18 	UU
	nd are in	proper condition for tr	ansportation according to the a		bject to verification	according to agree-	en er		AGENT
. <i>M</i>		.1	- 1:	PER			PER		
R <i>`\\\\\\\\\\\</i>		. 4	(PAMELE	0		· · · · · · · · · · · · · · · · · · ·			

MEMORANDUM COPY OF STRAIGHT SHIPPERS NO. This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record. **BILL OF LADING — SHORT FORM** KG 76622 CT 3164354-2 FREIGHT BASIS: RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, FROM KOPPERS INDUSTRIES INC PORTLAND DATE the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said company (the work company being understood throughout this contact as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its or road or its own water line, otherwise to deliver to another carrier or the route to asaid destination. It is mutually been water line, otherwise to delivery over all or any portion of said property, not even yearly, it is expected to all the conditions not prohibited by lew, whether printed or written, herein contain including classification tills of duding conditions, which are hereby agreed to be the shaper and accepted for himself and his assigns. SHIPPERS ORDER #: SHIP TO: CARRIER/VEHICLE #: 661-500132 VANALCO ALUMINUM CO. ROUTE: BN RR CUSTOMERS P.O. #: CONSIGNMENT #451 SOLD TO: VANCOUVER WA 98860 DOT SHIPPING NAME/HAZARD CLASS DESCRIPTION OF ARTICLES, SPECIAL **PACKAGES** WEIGHT НМ NO. AND KIND (IF APPLICABLE) MARKS & EXCEPTIONS (SUBJECT TO CORRECTION) 10 HC X RQ OTHER REGULATED SUBSTANCES SOLID N.O.S. (CONTAINS BENZO(A) PYRENE, DIBENZO(A,H)ANTHRACENE) CLASS 9, NA3077 PG III 75343 NP BN 475013 GN 71998 GN71517 71548 GN CBQ 85181 BN 475016 NP75303 419388 BN SLSF 82228

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all "Note: Where the rate is dependent on value, shipper's are required to state PERMANENT POST-OFFICE ADDRESS OF SHIPPER: specifically in writing the released or declared value of the property. The Koppers Industries, Inc. agreed or declared value of the property is hereby stated by the shipper to be other lawful charges. 436 Seventh Avenue not exceeding 170 cents per pound for each distribution package." Pittsburgh, PA 15219-1800 Signature of Consignor See ★ below This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are ip proper condition for transportation according to the applicable regulations of the Department Transportation. †Shipper hereby certifies that this shipment is correctly described; correct weight is shown and is subject to verification according to agreement with the Weighing and Inspection Bureau having jurisdiction. EN RR AGENT PER PFR PFR

* Signified of Shipper's agent next above is also intended as execution of Section 7

EMERGENCY CONTACT: CALL CHEMTREC 1-800-424-9300 OR 1-202-483-7616 FAX 1-800-242-7428

2 - CONSIGNEE (CUSTOMER NOTIFICATION)

MEMORANDUM COPY OF STRAIGHT BILL OF LADING — SHORT FORM

SHIPPERS NO				
	SHI	PP	ERS	NO

the Original Bill of Lading, nor a copy or duplicate, covering the prop named herein, and is intended solely for filing or record.	errly 5122 0. 2.1511td 0110111 1 01111	KG 76623
See See See See See See See See See See	Cr 3164354-3	FREIGHT BASIS:
company being understood throughout this contract as meaning any person or corporation road or its own water line, otherwise to deliver to another carrier on the route to said dest	AT PORITIAND OR DATE 11/29/93 Indition of contents of packages unknown), marked, consigned and destined as indicated below, which said company the word in in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own tination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written-contained,	SHIPPERS ORDER #:
SHIP TO: VANALCO ALUMINUM CO CONSIGNMENT #451 VANCOUVER WA 98860	CARRIER/VEHICLE #: ROUTE: BN RR SOLD TO:	661-500132 CUSTOMERS P.O. #:
PACKAGES HM DOT SHI	IPPING NAME/HAZARD CLASS / DESCRIPTION OF ARTICLES, SPE	CIAL WEIGHT

PACKAGES NO. AND KIND	нм	DOT SHIPPING NAME/HAZARD CLASS / DESCRIPTION OF ARTICLES, SPECIAL (IF APPLICABLE) / MARKS & EXCEPTIONS	WEIGHT (SUBJECT TO CORRECTION)
10 HC	X	no other regulated substances solid n.o.s. (contains benzo(a) pyrene, dibenzo(a,h)anthracene) CLASS 9, NA3077 PG III	
		NP 75391 SLSF 182251	
	3	NP 75383 GN 71994 NP 75300 SLSF 82301 GN 71991 NP 75392 NP 75320 BN 435033	
			\$* •

the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor) See * below		
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.	tShipper hereby certifies that this shipment is correctly described; cor- rect weight is shown and is subject to verification according to agree-	
	ment with the Weighing and Inspection Bureau having jurisdiction.	RN RR AGENT
PER AMELER	PER	PER

EMERGENCY CONTACT: CALL CHEMTREC 1-800-424-9300 OR 1-202-483-7616 FAX 1-800-242-7428 2 - CONSIGNEE (CUSTOMER NOTIFICATION)

is an acknem the Originmt of	Lading, r	a Bill of Lading has been issu- nor a copy or duplicate, coveri	ed and is not	ORANDUM CO L OF LADING -				SHI KG 7662	PPERS NO	•
named herein, and	is intend	ted solely for filing or record.	CT	3164354-04				FREIGHT B	·	
RECEIVED, subject	t to the c	lassifications and lawfully fi	led tariffs in effect on the da	ate of issue of this Bill of L	ading,	<u> </u>		rneiGHI B	HOIO:	
				LAND, OR		I DAIL	/29/93			
the property described be company being understo road or its own water line and as to each party at ar	etow, in app od througho , otherwise ny time inter	parent good order, except as noted (or out this contract as meaning any perso to deliver to another carrier on the ro- ested in all or any of said property, that	ontents and condition of contents of p on or corporation in possession of the ute to said destination. It is mutually a levery service to be performed hereun	ackages unknown), marked, consign properly under the contract) agrees tigreed, as to each carrier of all or an ider shall be subject to all the condition	ted and destined as indica- to carry to its usual place or by of said property over all this not prohibited by law w	ated below, which said comp of delivery at said destination or any portion of said route whether printed or written has	any (the word i, if on its own to destination, ein contained	SHIPPERS	ORDER #:	· · · · · · · · · · · · · · · · · · ·
including classification bi SHIP TO:	lls of lading	conditions, which are hereby agreed to	o be the shipper and accepted for him	nsett and his assigns. RRIER/VEHICLE #:				667	500132	
		LUMINUM CO		ulte.	• * * *			001-1	00132	·
		NT #451 . WA 98860		UTE: BN RR				CUSTOME	RS P.O. #:	
				LD 10.						
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			,	RQ OTHER REGUL	ATED SUBST.	ANCES				
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the consignee without The carrier shall nother lawful charges (Signature of Consignor)	t recourse ot make s.	ons of applicable bill of lading, if on the consignor, the consignor delivery of this shipment with See * below re named materials are properly	shall sign the following statement out payment of freight and al	specifically in writing the re agreed or declared value of the not exceeding 170 cents per pe	leased or declared value he property is hereby sta	ue of the property. The ated by the shipper to be	Koppers 436 Seve	POST-OFFICE ADD Industries, I enth Avenue th, PA 15219	nc.	ER:
	and are i	n proper condition for transporta			is subject to verification	on according to agree-	BN RE			AGENT
DED M	H,	1	L	PER '	-p		PER			
PER ★ Signature of Shi	ipper's age	ent next above is also intended a	s execution of Section 7							
39 12/92	must app	pear in longhand		EMERGEN	CY CONTACT: (FAX 1-800-242-7428 DTIFICATION)

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filling or record.

MEMORANDUM COPY OF STRAIGHT BILL OF LADING — SHORT FORM

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amed herein, and	oaing, n is intend ດັ	or a copy or duplic ed solely for filing (ate, covering the prop or record.	репу — Т	CT 316435	ş5				G 76625	
10									FREIGHT BAS	SIS:	
			•	1	te of issue of this Bill	of Lading,					
property described bell appany being understood or its own water line, d as to each party at any	ow, in appoint throughout otherwise in time interest	INDUSTRI arent good order, except at this contract as meani o deliver to another carr sted in all or any of said conditions, which are her	ES TNC I as noted (contents and cong any person or corporation in the route to said desproperty, that every service reby agreed to be the shipp	ndition of contents of pa on in possession of the p tination. It is mutually ag to be performed hereund	TLAND OR ackages unknown), marked, co property under the contract) ag preed, as to each carrier of all der shall be subject to all the co iself and his assigns.	onsigned and destined as prees to carry to its usual or any of said property o inditions not prohibited by	indicated below, which said place of delivery at said desti- ver all or any portion of said r law, whether printed or writte	1/30/97 company (the word nation, if on its own oute to destination, n, herein contained,	SHIPPERS O	RDER #:	<u>·</u>
HP TO:					RRIER/VEHICLE #:						
		JUMINUM C	. 0						661-50	0132	
		vr #451 - wa 9886	;O	ROU	UTE: BN RR			,	CUSTOMERS	P.O. #:	
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Subject to Section 7 of Conditions of applicable bill of fading, if this shipment is to be delivered to									
the consignee without recourse on the consignor, the consignor shall sign the following statement:									
The carrier shall not make delivery of this shipment without payment of freight and all									
other lawful charges.									

Signature

See ★ below

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable

PER Supply August 1 Spinger's agent perturbage is also intended as execution of Section

"Note: Where the rate is dependent on value, shipper's are required to state specifically in writing the released or declared value of the property. The agreed or declared value of the property is hereby stated by the shipper to be not exceeding 170 cents per pound for each distribution package."

tShipper hereby certifies that this shipment is correctly described; correct weight is shown and is subject to verification according to agreement with the Weighing and Inspection Bureau having jurisdiction.

PER

g to agreetion.

PERMANENT POST-OFFICE ADDRESS OF SHIPPER: Koppers Industries, Inc.

436 Seventh Avenue Pittsburgh, PA 15219-1800

3N	RR	 AGENT
		 _
: В		

Signature of Shipper's agent next above is also intended as execution of Section Signature above must appear in longhand KI 39 12/92

EMERGENCY CONTACT: CALL CHEMTREC 1-800-424-9300 OR 1-202-483-7616 FAX 1-800-242-7428

is an acknowledgment that a Bill of Lading has been issued and is not

MEMORANDUM COPY OF STRAIGHT BILL OF LADING SHORT FORM

SHI	PP	ERS	NO.

the Original Bill of L named herein, and	ading, r. is intend	nor a copy or duplicate, covering ded solely for filing or record.	ng the property	LE OF LADING	- SHORT	. On W		KG	76626
(o	••			C1 3164354	~ 6		i	FREIGHT BAS	· · · · · · · · · · · · · · · · · · ·
•		lassifications and lawfully file	ed tariffs in effect on the o	date of issue of this Bill of L	ading,	<u> </u>			
FROM KOPE	PERS	TNDUSTRIES parent good order, except as noted (con	ntents and condition of contents of	Packages unknown), marked, consign	ned and destined as ind	DATE 11/ loated below, which said comp	30/93 any (the word		
road or its own water line, and as to each party at an including classification bill	d througho otherwise y time inter s of ladino	parent good order, except as noted (cor out this contract as meaning any person to deliver to another carrier on the rout setted in all or any of said property, that a conditions, which are hereby agreed to	or corporation in possession of the te to said destination. It is mutually every service to be performed here to be the shinner and accented for b	e property under the contract) agrees agreed, as to each carrier of all or ar inder shall be subject to all the condition invest and his assigns	to carry to its usual plac by of said property over ons not prohibited by law	e of delivery at said destination all or any portion of said route t , whether printed or written, her	, if on its own to destination, ein contained,	SHIPPERS OF	RDER #:
SHIP TO:		tonuntary, miles do sistery agreed to		ARRIER/VEHICLE #:				661-50	0132
VANALCO A	ALUM	TNUM CO	RC	OUTE: BN RR			•		
CONSIGNME	ENT	#451		OLD TO:	·.			CUSTOMERS	P.O. #:
VANCOUVER	S M	A 98860		. ·				·	
PACKAGES		D	OT SHIPPING NAM	//E/HAZARD CLASS	/ DESCRI	PTION OF ARTIC	LES, SPEC	L	WEIGHT
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Subject to Section 7	of Conditi	ons of applicable bill of lading, if the	nis shipment is to be delivered	to Note: Where the rate is de	pendent on value shir	oper's are required to state	PERMANENT	POST-OFFICE ADDRE	ESS OF SHIPPER:
the consignee withou The carrier shall no	trecourse of make	e on the consignor, the consignor s delivery of this shipment without	hall sign the following stateme	nt: energically in writing the e	eleased or declared	value of the property. The	Koppers	Industries, Ind	
Signature		See ★ below		not exceeding 170 cents per p				enth Avenue jh, PA 15219-18	300
marked and labeled	the abo and are	ve named materials are properly in proper condition for transportat	classified, described, package tion according to the applicat	ole †Shipper hereby certifies			9		
regulations of the Dep	partment	of Transportation.		rect weight is shown and ment with the Weighing an			PN RI	R	AGENT
PER //	DA	y Lum	<u>e</u> 1	PER			PER		
* Signature et Shi Signature above KI 39 12/92	pper's ag must ap	of t next above is also intended as over in longhand	s execution of Section 7	EMERGEN	ICY CONTACT	CALL CHEMTREC	1-800-424-9	300 OR 1-202-4	83-7616 FAX 1-800-242-7428

2 - CONSIGNEE (CUSTOMER NOTIFICATION)

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

MEMORANDUM COPY OF STRAIGHT BILL OF LADING — SHORT FORM

SHIPPERS NO.

RO DECO.

	s inferio	ed solely for filing or record.		entered of the first of the fir	NG	/6627
٠,٠			. 1	CT 3164354-7	FREIGHT BASIS:	
ECEIVED, subject t	to the c	assifications and lawfully filed tari	ffs in effect on the date	of issue of this Bill of Lading,	\dashv	
ROM KOPP	ERS	INDUSTRIES INC	AT PORTL	AND, OR DATE 11/30/	93	
property described belo mpany being understood	w, in app	arent good order, except as noted (contents ar ut this contract as meaning any person or corp	nd condition of contents of pack oration in possession of the pro	ages unknown), marked, consigned and destined as indicated below, which said company (the w perty under the contract) agrees to carry to its usual place of delivery at said destination, if on its	ord OLUBBERG ORDE	
ad or its own water line, o id as to each party at any i	otherwise : time intere	to deliver to another carrier on the route to said	d destination. It is mutually agre- rvice to be performed hereunder	ad, as to each carrier of all or any of said property over all or any portion of said route to destinat Shall be subject to all the conditions not prohibited by law, whether printed or written, herein contain	∞. ISHIPPERS ORDE	n #:
HIP TO:				IER/VEHICLE #:	663-50013	32
				·		
ANALCO A			ROUT	E: BN RR	CUSTOMERS P.C). #:
CONSIGNME			SOLE	то:		
VANCOUVER	VVE	A 98860		•	Ì	
						
PACKAGES NO. AND KIND	нм	DOTS	SHIPPING NAME/ IF APPLIC/	· ,		WEIGHT (SUBJECT TO CORRECTION)
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			SOLID	N.O.S. (CONTAINS BENZO(A), DIBENZO(A, H)ANTHRACENE)	ļ	
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Subject to Section 7 of	f Conditio	ons of applicable bill of lading, if this ship	ment is to be delivered to	*Note: Where the rate is dependent on value, shipper's are required to state PERM	ANENT POST-OFFICE ADDRESS O	F SHIPPER:
The carrier shall not		on the consignor, the consignor shall sig delivery of this shipment without pay			pers Industries, Inc.	
other lawful charges. Signature				not exceeding 170 cents per pound for each distribution package."	Seventh Avenue sburgh, PA 15219-1800	
of Consignor per		See ★ below re named materials are properly classific	ed, described, packaged.		Spurgii, FA 13218-1600	
	ind are i	n proper condition for transportation ac		†Shipper hereby certifies that this shipment is correctly described; correct weight is shown and is subject to verification according to agree	N RR	AOTAIT
06)	. 1		The way the very map and map a	C4 EXP.	AGENT
(16	011-	I Sun or	$_{\gamma}$	PER PER		
PER UI						

2 - CONSIGNEE (CUSTOMER NOTIFICATION)

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not

MEMORANDUM COPY OF STRAIGHT BILL OF LADING

SHIPPERS NO.	
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namea nerein, ana \in	is intend	ed solely for filing or reco	rd.		CT 3164354-8	3		. [KG 7	6628
RECEIVED, subject	to the c	lassifications and lawfull	y filed tariffs in effe		e of issue of this Bill of L			· · · · · · · · · · · · · · · · · · ·	LIGITI DAGIG	•
		INDUSTRIES	1	T PORTH			DATE 11	/30/93		
he property described be company being understoo	low, in app d througho	arent good order, except as note- ut this contract as meaning any o	d (contents and condition serson or corporation in pe	of contents of pac essession of the pr	kages unknown), marked, consignoperty under the contract) agrees	to carry to its usual place	ated below, which said con of delivery at said destinati	npany (the word	OLUBBERG ORBI	- D. #:
oad or its own water line, and as to each party at an including classification bill	otherwise time interi s of lading	to deliver to another carner on the ested in all or any of said property, conditions, which are hereby agre	e route to said destination , that every service to be p eed to be the shipper and	 It is mutually agr erformed hereunde accepted for hims 	eed, as to each carrier of all or an r shall be subject to all the condition of and his assigns.	y of said property over all ns not prohibited by law,	or any portion of said rout whether printed or written, h	e to destination, erein contained,	SHIPPERS ORDI	=H #:
SHIP TO:				CAR	RIER/VEHICLE #:					
VANALCO A	COME	CATCIM CYCL		ROU	TE: DM DD	•			661-5001	32
CONSIGNME					DIV IXIX				CUSTOMERS P.	O. #:
VANCOUVER	i		•	SOL	D TO:					
			· . ·						<u> </u>	
PACKAGES NO. AND KIND	нм			NG NAME IF APPLIC	/HAZARD CLASS ABLE)		TION OF ARTICARKS & EXCE		CIAL	WEIGHT (SUBJECT TO CORRECTION)
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	•	11						-	•	
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7				DO OTH	ED DECLII ATED (TIDOTANORO	i	•		
KQ HC	Х			SOLID	ER REGULATED S N.O.S. (CONTAINS	BENZO(A)				
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ublect to Section 7 o	f Condition	ons of applicable bill of lading	, if this shipment is to	be delivered to	"Note: Where the rate is dep	endent on value shing	er's are required to state	PERMANENT	POST-OFFICE ADDRESS	OF SHIPPER:
he consignee without	recourse	on the consignor, the consig delivery of this shipment	nor shall sign the follow	wing statement:	specifically in writing the re agreed or declared value of t	leased or declared va	lue of the property. The	Koppers	Industries, Inc.	
ther lawful charges Signature		Condition			not exceeding 170 cents per p			436 Seve	enth Avenue h, PA 15219-1800	1
of Consignor pe	the abov	See ★ below re named materials are prop	erly classified, descrit	ped, packaged,	401				, 17. 10213-1000	
marked and labeled egulations of the Dep	and are in partment o	n proper condition for transportation.	portation according to	the applicable	tShipper hereby certifies to rect weight is shown and ment with the Weighing and	is subject to verificat	ion according to agree		<u> </u>	AGENT
AI.	•	6 . V			PER	-p	9 ,	PER		
'ER /、' <i>】</i> []	My	(VUIN	$\mathcal{W}\setminus$		ren N			1		

SEAPORT

MARINE SURVEYS, INC.

Capt. Peter J. Morrison Peter Brauns

WALT Towner
FYI
Arnos 12/2/93

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

DRAFT DISPLACEMENT SURVEY

VESSEL: REQUEST OF: COMMODITY:	PALZISGIOTCHT KOPPERS INWSTRIZS PENCIL PITCH	Voyage No.: 1.T.L. LOCATION: 1302TH All.	รูชา อะใจฉาลกั
	INITIAL SURVEY	FINAL SURVEY	
DATE:	Now 28 1993	Nov 30 19	93
TIME:	<u> එහිත</u>	/500	
DISPLACEMENT			
Draft Forward:	6 55	2.965	
Draft Aft:	7.05	4.715	
Midships-Port	6.66	3.73	
Midships-Starboard	7.16	4.04	
Mean of Means (Corrected)	6.898125	3.88125	
Corresponding Displacemen		5,395.11	
Trim Correction:	+ %. ካሄ	- 61.58	<u></u>
Density Correction:	- 251. 44	- 130.09)
Corrected Displacment.	10,057.73	5.203·A	4
DEDUCTIONS:			
Fuel Oil:	304.30	304.30	
Diesel Oil:	44.90	42.50	
Fresh Water:	159 00.		
Ballast Water:	433.00	10 46.90	
Others: Lub on	31.60	+BULLDER 38.6	
TOTAL:	o8 . CPP	1,584.30	<u> </u>
INITIAL DISPLACMENT	9084.93	M/Tons: 5,463.16	
FINAL DISPLACEMENT		L/Tons: 5,378,85	<u> </u>
TOTAL CARGO:	5463.16	S/Tons: 6.674.31	

Chief Officer

Scaput Marine Surveys, Inc. and the surveyor signing this report agree to use their bots efforts in bright of those for whom this survey is made, but it is expressly understood and agreed that this survey is understood. and this report issued with the understanding that neither shall be liable for any errors or compensions, whether due to active negligence or otherwise, in excess of the actual charge made for this survey, and that any are all persons interested in or to be affected hereby accept this report on that basis.

01 DECEMBER 1993

KOPPERS INDUSTRIES INC 7540 NORTHWEST ST. HELENS ROAD PORTLAND, OREGON 97210 ATTN AMOS KAMERER

SUBJECT MV PALEISGRACHT DISCHARGE AT PORTLAND NOVEM	BER 93'
---	---------

PLEASE FIND SUBJECT CARGO DOCUMENTS FOR DISCHARGE OF PENCIL PITCH AT PORTLAND.

- (2) COPIES OF STATEMENT OF FACT
- (2) COPIES OF NOTICE OF READINESS
- (2) DAILY STEVEDORE REPORTS

PLEASE SIGN AND RETURN ORIGINAL COPY OF SOF(BLUE) AND NOR.

SÍNCERELY YOURS, KERR NORTON MARINE TROY ANDRUSS

Coos Bay, OR • Portland, OR • San Francisco • Seattle Vancouver, B.C. • New Orleans (Accounting)

PORT AND DATE: 80 RT LAND 27/0/93

NOTICE OF READINESS

THIS IS TO NOTIFY, THAT THE GOOD SHIP 'PALEISGRACHT' DULY ARRIVED IN THE PORT OF TOKEN ON THE (DATE) 27 HOV. 1993

AND IS READY TO LOGB TO SCHARGE A CARGO OF 54 56 MTONS OF

ACCORDING THE TERMS AND CONDITIONS OF THE CHARTERPARTY AS AGREED.

ARRIVED ON THE ROAD: 27/11/0520

ARRIVED ALONGSIDE BERTH:

AMCHORDS E 27/11/418

AND MASTER MV 'PALEISGRACHT'

N. O.R. TENDERED: (DATE/TIME)
N. O.R. ACCEPTED: (DATE/TIME)

SIGNED

3/93 270Pm

Kerr Steamship Company, Inc.

1. Agents	· · · · · · · · · · · · · · · · · · ·		
KERR NORTON MARINE		STATEMENT OF	FACT
1500 S.W. FIRST AVE SUITE 940		STATEMENT OF	FACI
PORTLAND, OREGON			
2. Vessel's name		3. Port	
MV PALEISGRACHT	<i>2</i>	PORTLAND, OR.	
4. Owners / Disponent Owners		5. Vessel berthed	
SPLIETHOFF BEVRACHTINGSKANTOOR BV		28 NOV 93 0730/0750HRS	
RADARWEG 36		6, KANA commenced DISCH	7.XXXXXXX completed DISCH
1042 AA AMSTERDAM		28 NOV 93 0930HRS	30 NOV 93 1430HRS
8. Cargo		9. Discharging commenced	10. Discharging completed
BULK PENCIL PITCH	•		
	•	11. Cargo documents on board	12. Vessel sailed
			30 NOV 98 1700HRS
13. Charter Party		14. Working hours/meal hours of th	e port
PER RELEVANT CHARTER PARTY			
15. Bill of Lading weight/quantity	16. Outturn weight/quantity		
	5,465.16 MT		
17. Vessel arrived on roads		18.	
<i>:</i>	·	ARRVL DF M DA M	FO MT DO MT
19. Notice of readiness tendered	70.	20.	
27NOV93 1415HRS ACCPTD 28NOV93	0800HRS	DEP DF M DA M	FO MT DO MT FW
21. Next tide available		22.	

DETAILS OF DAILY WORKING

Date	Day	Hours	worked	Hours	stopped	No. of gangs	Quantity	Remarks	
Dule	dy	From	to	From	to	140. Or gangs	load./disch.	4	
28NOV93	SUNDAY	0800	1700			1	1074 MTS	TTL THIS SHIFT	
		,		0800	0815			S/BY FOR GANGWAY	
		· ·		0815	0880			UNCOVER NO.1	
				0830	0945	Ì		LAY PLASTIC TARPS	
		.0945	1200					DISCH CARGO NO.1	
		1		1200	1300			MEAL HOUR	
				1300	1330	.;		RESECURE TARPS	
		1830	1700	}	1			DISCH CARGO NO.1	
}	NIGHT	1800	0800			1	1127 MTS	TTL THIS SHIFT	
		1800	2200	1.				DISCH CARGO NO.1	
ļ	1			2200	2800			MEAL HOUR	
}		2300	0300	İ		·		DISCH CARGO NO.1	
29NOV93	MONDAY	0800	1700		1	1 .	1435 MTS	TTL THIS SHIFT	
	1		,	0800	0815	1		UNCOVER NO.2	
			ļ	0815	0850			LAY PLASTIC	
	,	1		0850	0900	·		HOI'ST PAYLDR NO. 2	
		0900	1030		1		}	DISCH CARGO NO.2	
	· ,		Ì	1030	1035	,		HOIST PAN TO SHIF	
	1	1035	1200		l · "	·	1	DISCH CARGO NO.1	
		•	· ·	1200	1300			MEAL HOUR	
				1800	1310			HOIST PAN TO SHIF	
		1310	1700		i .		} ·	DISCH CARGO NO.2	
	NIGHT	1800	0300	1		1	1299 MTS	TTL THIS SHIFT	
1		1800	2200				, , , , , , , , , , , , , , , , , , , ,	DISCH CARGO NO.2	
			1	2200	2300			MEAL HOUR	
ł	·	2800	0300	124.		1		DISCH CARGO NO.2	
30NOV93	TUESDAY	0800	1700			1 1	465 MTS	TTL THIS SHIFT	
	j	0800	1200		,			DISCH CARGO #2	
				1200	1300		1	MEAL HOUR	
1	1	1300	1315	·			1	DISCH CARGO #2	
		1315	1420]				CLEANING #2	
1	1 .			1420	1430	1	1	HOIST EQUIPMENT	
			1	1430	1515			CLEAN DOCK/CRANE	
			1	1515	1700			DEAD TIME	

General remarks

VESSEL ANCHORED ON ARRIVAL VANCOUVER, WA., WAITING FOR THE BERTH DUE CONGESTION. WAITED 27TH 1415 - 28TH 0600HRS

	- $ -$	CC . F. Thomas
Portlandameregon	Name and signature (Master)	
HERR MORTONOMAR THE THE	Name good girmeters (for the charterers/Sh	ippers / Receivers)
1,6/	A. S. Komen	20 21019

POST OFFICE ROX 83838
PORTLAND, OREGON 97283-0838

DAI	L	Rel	GRT	3	A	ı
JAN	-7	1141	917	٠.		ı

Date 18 November 1973 Sunda	Agent KeRa STEAMSHIP
Vessel PALEII GLACHT	Load Discharge (circle one)
Berth TSRm 4 B 410	S/ Cargo W. MS Cohmack

Hatch	Start	Finish	Hours		Descript	ion of Work	•
* Libra	0880	2180	:15	57A44 (1)	RIG SILLE	(SANGUA)	
	11815	0830	116	UNKOVE			
	0830	2000	1:15	114	PLACTIC TAR	Ps or Seewe	Raileace
	0945	12.00	2:15	Duce	HARRE PE	Leu Pited	
	17.00	1300		_	Hove		
	1300	1330	:35	Rs - 5	FRE PLAS	W TARK	
	1330	1700	2130	Dusg	AREA PENCH	Potest	
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					Countin		-124/
				Darer	10 6.55 e		3,43 M/2
					Er Tille	P/A/L	44,9 M/-
				N	sau b. 861	FRINTR	1590 M/g
						- HAWAST	4330 M/s
		—	leke	Dell Com	54 / -	0	· · · · · · · · · · · · · · · · · · ·
	This Chie		cks	Rail Cars	M/T	Gross Hours	Net Hours
Dea	This Shift:				1074 4	7	(:25
					1.01.		
10	tal to Date:	<u> </u>		10	10740	8	5:45

Remarks:

DNE M-27 PRECILITEH UNIT

3 V.T. Y LONGVIEW WA

2 V.T. X. COURBAY UR

ONE LOCAL FOREMAN

BULK PERKIL PITCH PENALTY ALL HANDS

WENTITCH: WERKAST

WENTHER ! OVERCACT
No ALLBERTS REDAKTOR

•

FIRST LINE: 0730 HCC 28 NOVEMBER 193

FIRST CARGO DISCH'D

Damage: Any damage to dock or vessel must be reported.

ACCIDENTS: Report any accident regardless of how insignificant.

3945 HRS

D/2 Nb.2

POST OFFIC ROX 83838 PORTLAND, OREGON 97283-0838

>

el	MILLIS	561121	SULLIN TONT DYII	- -	Agent / Disc	charge (circle o	STEAMS ne) SUM ST
atch	Start	Finish	Hours		Description	on of Work	
1	1800	2200	HOV.	Dis	Paracia P	TCH	
1	2760	DEXID		MI-OL	11000		
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						· · · · · · · · · · · · · · · · · · ·	
		Tru	icks	Rail Cars	M/T	Gross Hours	Net Hours
	This Shift			21	1117 1	5	8 00
Pr	evious Shift			20	1074.5	×	5,45
	otal to Date			4/1	2201.4		13:45

DNE T.27 PENCIL PITCH UNIT DINE LOCIAL FOREMAN BULLE PENCIL PITCH PERMUTY WEATHOR LITE RAIN NO ACCIDENTS REARTED

Damage: Any damage to dock or vessel must be reported. ACCIDENTS: Report any accident regardless of how insignificant.

CHIEF DEFICIOR

POST OFFICF POX 83838 PORTLAND, OREGON 97283-0838

DAILY REPORT _ # 3

Date 29 November 1993	Agen
Vessel PALEIS GRALIT	-Lead
Berth 74 3410	S/C

KERR STEAMSHIP -/Discharge (circle one)
argo Dm. W2 CRMck

Hatch	Start	Finish	Hours		Descripti	on of Work	
21100	0860	0315	:15	LINCOVE	x #2 Howa		
7	08/5	DXG	135	LAY Pe	ASTIC TARPS		
V	0850	0900	110	H0157	N PAYLAND	sr #1	
~	6090	1030	1130	Disch	ARGE PENCIL	. Pitch	
* 11bes	1030	N35	:05	Horsy	PM SHIFT	75 X1	
	1035	1200	1:25	Deserta	rec Pencil	PitcH	
	1200	1300		MEAL	HOUR		
* 2Hb.	1300	1310	:10	Ho157	PAN SILIFT TO	6 × 2	
	1310	1700	3;50		LESE PENCIL	Pitch	
					·		
							
							
						· · · · · · · · · · · · · · · · · · ·	
							
				#/ HOLA	(1) CAR		52.7 1
						icks	118.9 116
				*2 HOLD	(14) cm		751.8 4
						veks	511,34 4
						·-··	
							
							·
							
					1435.7		
		Tru	cks	Rail Cars	M/T	Gross Hours	Net Hours
	This Shift:	\$	3	15	105	8	6:45
Pre	vious Shift :		The state of the s	41	2201,7	16	13:45
		<u> </u>		56		24	20:30

Romarks: ONE T-27 PENCIL PHEL UNIT

2 DEELS Z TARP 2 sHowers (47.T. xLoveries)

1 Loui Forena

BULA PENCIL PITCH POUNCIV_ALL HANOS

WEATHER: RAIN SHOWERS NO Accidents Reported

Damage: Any damage to dock or vessel must be reported. ACCIDENTS: Report any accident regardless of how insignificant.

CHEF

D/RNO. #4

POST OFFIC/ BOX 83838
PORTLAND, OREGON 97283-0838

Date 29 NOU. 1993 Vessel PALEISGRACHT Berth TERM. 4 BUIL			47	Agent KENN STEAM SWIF Load Discharge (circle one) S/Cargo NW SCHMID)
Hatch	Start	Finish	Hours	Description of Work

Hatch	Start	Finish	Hours			on of Work	
#2	1800	2201)	4:00	DIS.	PENCIL PI	TCH	
/	2200	23U)		MEAL	. Iterurz		
1	2300	0300	4:00	Dis	Pencil P	ich	
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<u> </u>			 	<u> </u>	1 Nous:		
			 	1 /27	Thucies	320.7 n	u IT
				#7	KOLD &		
				(12)	CARS _ (544.4 -M	IT
						334.7 -M	
			WS/TR		TOTAL TRIKSE		
			ucks /	Rail Cars	M/T	Gross Hours	Net Hours
	This Shift		655,4		12-99.8	8	8:00
	eviqus Shift		630.2	<u>56</u>	3637.4	27 32	20130
Ţ	otal to Date	: [1/5]	1285.60	68	4537,2	52	28:30

Remarks:

DNE T-27 PENCIL PITCH UNIT 2 DOZERS 2 TARPS 2 SHOULERS 1. LONGUIEN FUREMAN BULK PENCIL PITCH PENALTY ALL NOWDS WEATHUR - PAIN NO ACCIDENTS REPORTED

Damage: Any damage to dock or vessel must be reported.
ACCIDENTS: Report any accident regardless of how insignificant.

CHIER YRKER

POST OFFICT BOX 83838
PORTLAND, OREGON 97283-0838

Date	30 NOVEMBER 1993	TUESDAY
Vessel_	PALEIS GRACULT	
	TI Ahra	

Agent _	KERR	STEAMSHIP	
	ischarge) ((circle one)	
S/Cargo	o Dom	MECarmack	

Hatch	Start	Finish	Hours		Descripti	on of Work	
#211010	0800	1200	4:00	Director	GE PENEIL !	Ital	
	17.00	13 (10		MEAL	liun		
# 2.Hun	1300	1315	115	Discila	AGE PENCIL PI	teN	4
	1315	1476	1:45		INK HILDS		
	1420	1430	110		ove Dozer		
	1430	1515	ins	CLSAUL	16 Dock &	Danja	
	1515	1700	1:46		DEAD TIME		
		:					
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	·						
				X Z Ha	p (9)carr		465,4 M/ON
				·			
				Durily	ce M/JONI	by DRAFT	SURVEY:
					5.40	5, 10 myon	1
				LACT CA	160 1 1410 1	les 30 Nove	mser 1993
				DEPART T		1	
		No. Tru	cks M	Rail Cars	TOTAL M/T	Gross Hours	Net Hours
	This Shift		-	9	465.4	₹:	4115
Prev	ious Shift	115 1	285.6	68	4.937.2	32	28:50
Tot	al to Date	115 1	285.6	77	5,462.6	40	32:45

ROMERTO PENCIL PITCH LLUIT

2 DUZERS 2 SHOVELLERS

5 NT X LENGY IEW I VF X NEWFORT

UNC LOCAL FORENM

BULL PENCIL PITCH PENALTY - NEL HANDS

WEATHER RAIN SHOWERS

No Accidents Relanted

Damage: Any damage to dock or vessel must be reported.
ACCIDENTS: Report any accident regardless of how insignificant

DELINE CONDITIONS.

DENKT: Fluid _ 304,3 Mf

FND 2.96m Oloid _ 42.5 Mf

AFT 4.77m FR. WTD _ 152.0 Mf

MEAN 3.865m PAILNET _ 1046.94

CHIER OFFICER

"Blue Cosmos"-Japanese Pitch Jan. 1993



Telephone: (503) 286-3681 FAX: (503) 285-2831

FEBRUARY 1, 1993

TO WHOM IT MAY CONCERN:

THE SHIP "BLUE COSMOS" ARRIVED FROM JAPAN ON 1/29/93 AND ARRANGEMENTS WERE MADE WITH OUTSIDE TRUCKING FIRMS TO HAUL THE ENTIRE SHIP OF PENCIL PITCH 6,000 METRIC TONS OVER TO THE PORTLAND PLANT. THE FOLLOWING RATES WERE QUOTED FOR THE WEEKEND TRUCKING.

EICHSTADT TRUCKING	TIGARD, OR	\$ 58.00 PER HOUR
KEN ESPEDAL TRUCKING	PORTLAND, OR	\$ 38.00 PER HOUR
ALLEN BERRY	AURORA, OR	\$ 42.00 PER HOUR
SUNRISE EXPRESS INC	VANCOUVER, WA	\$ 52.00 PER HOUR
MARQUARDT TRUCKING INC	ALOHA, OR	\$ 58.00 PER HOUR
TRANSPORT SERVICES	ALOHA, OR	\$ 58.00 PER HOUR
BOB RANDOLPH TRUCKING	PORTLAND, OR	\$ 40.00 PER HOUR
TO & FROM ENTERPRISES	AURORA, OR	\$ 58.00 PER HOUR

JOHN A OXFORD PLANT MANAGER



Telephone: (503) 286-3681 FAX: (503) 285-2831

FEBRUARY 17, 1993

SUNRISE EXPRESS INC. 5419 NE 88TH ST VANCOUVER, WA 98665

DEAR SIR:

OUR TRAFFIC DEPARTMENT IN PITTSBURGH, PENNSYLVANIA HAS REQUESTED I CONTACT YOU AND REQUEST YOU FURNISH US WITH A COPY OF YOUR INSURANCE AND A COPY OF YOUR OPERATING AUTHORITY.

PLEASE FORWARD, TO OUR OFFICE HERE, AND WE WILL FORWARD IT ON TO THE CORRECT PERSON IN PITTSBURGH.

AM ENCLOSING A STAMPED SELF ADDRESSED ENVELOPE FOR CONVENIENCE.

REGARDS

John a oxford

PLANT MANAGER

Some to all finisher.



Subject:

INTEROFFICE CORRESPONDENCE

To:

John Oxford

Portland, OR

APPROVED CARRIERS

From:

Barbara A. Olzewski Traffic & Transp.

Location:

K-2050, Pgh, PA

Date:

February 9, 1993

FEB 16 1993

KOPPERS INDS...INC. PORTLAND, OR

We have received your fax of February 1, 1993 concerning the Trucking Companies you utilized to handle our material aboard the "Blue Cosmos".

To reduce our liability on "emergency use" carriers, please have the carriers fax their operating authority, insurance certificate and rates to our department. This should hold true even on carriers we never intend to use again.

Any carrier that is hauling for you on a regular basis should have all of these documents on file in this office.

We must protect this company from the extreme liabilities brought on by accidents and the financial liabilities from bankruptcy.

The fax you furnished will assure payment by Tranzact. If you have any questions regarding the approved carrier procedure, please call us.

Barbara A. Olzewski

BAO: kas



To:

INTEROFFICE CORRESPONDENCE

LARRY FLAHERTY

From: JOHN A. OXFORD

Location: K-1750

Location: PORTLAND PLANT

Subject: REPORT OF IMPORT PITCH SHIPS

Date: February 11, 1993

Dear Larry:

This is a report of the unloading of two ships of import pitch here in Portland.

The first ship the "Blue Cosmos" began unloading at 8 AM on January 29, 1993. This ship h ad 6010.1 Metric Tons on board. Discharge of the Commodity thru Hall Buck was delivered to our plant by truck from their facility at the Port of Portland. Initially we had hired a total of ten trucks which included our large belly dump, plus three other belly dumps, two back end dump trucks with pups, and four small back end dump trucks. After the first two hours of unloading, it was obvious we did not have enough trucks, we were able to add more rental trucks and at one time a total of 24 trucks were running. We had 3 payloader operators plus another employee acting as a "traffic cop". It is amazing when you see the Case 821 loader push a complete truck load with only one try.

Our cost for belly dump and back end dump trucks averaged \$55.00 per hour, our cost for the small dump trucks averaged \$40.00 per hour. Discharge was completed Sunday January 13, 1993 at 3 PM. There were no incidents of spillage, minor breakdowns of the payloaders was experienced but T. J. was able to effect repairs and down time in each case was less than one hour. We were reported by a longshoreman to the City of Portland and the Portland City School District for purportedly "spilling pitch in a school cross walk and exposing school children to cancer". Both Mark Donnelly and myself went to the cross walk and the whole truck route for that matter, and could find no evidence that there was any spillage at all. Mr. Donnelly is Safety Manager for Hall Buck.

"Amanda Smits" arrived on berth at 2 AM, February 5, 1993, and we began the discharge at 8 AM that morning. The ship was very small as her tonnage of 6037 Metric Tons was all she could carry. It should be noted that the "Blue Cosmos" was a true bulk cargo ship by that I mean the holds were straight sided, square shaped with no internal ribs or tween deck pontoons which made cleaning very easy. Unfortunately this was not the case with the "Amanda Smits". This ship had tween decks with her pontoons stored in the cargo forward, mid and aft. There were ribs in her aft section which also slowed down the cleaning. It is estimated 4 to 8 hours extra time was required, this could have been worse except that Hall Buck was able to clean one hold while working the second hold. A total of 88 rail cars were loaded and sent to Vanalco, we estimate 1400 tons was brought into the plant by truck. Discharge was completed at 11 PM February 7, 1993.

PAGE 2

Again no incidents of spillage reported, although a longshoreman registered a complaint with the Port of Portland that the unloading area was being heavily dusted by the pitch. The Port of Portland met with Mr. Kermit Petrie of Hall Buck and inspected the area and found nothing remarkable.

Amos and I had lunch with Mr. Petrie and his assistant at which time we were asked by Mr. Petrie what plans Koppers was making in the event that pitch goes on the hazardous list. We again informed Mr. Petrie that Koppers would do whatever was necessary in that event. Later that afternoon I attended a meeting at Hall Buck's with Mr. Petrie and Mr. John Mulkahie and Mr. Ron Hansen, Business Agents for longshoreman union local # 8. At this meeting the longshoreman tried to lay claim to past practices of driving the trucks to the delivery point after loading at the Port. The longshoreman drive the trucks in Longview, where Allied unloads their pitch, and also they wet down the trucks to lessen the exposure to the pitch. strategy was that if Hall Buck was responsible for chartering the ship or ordering the transport of the cargo by either truck or rail then by contract the longshoreman claimed right to the jobs of driving the trucks, at least while the trucks were on Port property.

It was pointed out to them that KAP Australia chartered the ships and Koppers Portland facility directed the disposition of the cargo either by truck to our plant or to other destinations which was classified information and not open to their review. For now, it looks as though we have won this round. There were discussions of the report to the City of Portland by longshoreman, Mr. Hansen the Business Agent for the union flatly denied that a longshoreman was responsible. Mr. Petrie then told Mr. Hansen the name of the longshoreman that did the reporting, Mr. Hansen had no further comment. Mr. Petrie feels that the longshoreman "don't have a leg to stand on".

Our running cost for trucking this ship was \$ 52.00 per hour for belly dumps and \$40.00 per hour for the small back end dumps.

One final comment the <u>Import Pitch</u> on the "Amanda Smits" was probably the best cargo from that supplier, but truthfully I must say it didn't hold a candle to the <u>Import materials</u> on the "Blue Cosmos". The "Amada Smits" <u>Import</u> had a large amount of fines.

Regards,

CC: W. Turner K. Fitzgerald

Koppers009404

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Bibliographeria and a substitution of the control of

TO :

501 PR5 PR1

1993.02-02

04:42PM #054 P.01/01

SUMITOMO CORPORATION OF AMERICA

ONE CALIFORNIA STREET

SAN FRANCISCO, CA 94111-5493

WIJ 340132 AND 34204 Cable: Sumitomo and Societshic Tel: (415) 788-5-5-5 Fax: (415) 362-17-35 Telex: RCA 278202 and RCA 228

SOLD TO INVOICE NO. 52 29492 KOPPERS INDUSTRIES, INC. INVOICE DATE 01/21/93 436 SEVENTH AVENUE YOUR ORDER NO :: CM3-1670-1 PITTSBURGH, PA 15219 OUR CONTRACT NO. : SF-93-MNCM-526484 REFERENCE NO IXME-92-1012 (K)573)DATE SHIPPED JANUARY 13, 1993 FROM-TO MIZUSHIMA JAPAN TO PORTLAND "BLUE COSMO" SHIPPING VIA SHIP TO 01/13/93 B/L DATE DELIVERY DATE DELIVERY TERMS : CIF FORTLAND, OR PAYMENT TERMS . NET 45 DYS FRM ARVI. DATE FORTLAND, OR l... PAYMENT DUE DATE -03/15/93

ITPM NO	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
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	(CIF PORT OF FORTIAND), DUTY & OTHER LIMPORT CHARGES UNPAID.)			
	CYUNPRY OF ORIGIN: JAPAN			
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M. SHICMT, CROUP PRODUCT MSR. PETROLPHM & CARBON DEPT. Please remit by Federal Fund Wire to: 8UMITOMO CORR OF AMET CA. SAN FRANCISCO	,/-)		NATO	_
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		1	Scottine.	
		5	وجراة	
	through The Sumitomo Bank or California, SF Main Office, by Federal Fund Wire ABA No. 121002042 further credit to our A/C No. 045/287136-70 with The Sumitomo Bank, Ltd., San Francisco Branch		~	(2/2/c)
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****** ***	SALES BAX EXEMPT? YESX[] NO[]	SUB TO		
REMAR	CKS	SALES T		
	•			

FEB- 2-93 TUE 12:31 SEAPORT MARINE

SEAPORT

MARINE SURVEYS, INC.

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463 Fax: (206) 574 - 7284

Capt. Peter J. Morrison Peter Brauns

TELEFAX MESSAGE

DATE:	FER 2 1993	
то:	Koppers lo	
	Jouil ORFORD	-
		-
RE:	Blue Cosmos.	
No. of pages including cover sheet	2	
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RECHONS	, , , , , , , , , , , , , , , , , , , ,	
Morrison		

Commence of the second

SEAPORT

Marine Surveys Inc.

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5533OR

Surveyor:

Report No.:

PM

207 NB 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-7463

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Capt. Peter J. Morrison

Peter Brauns

Blue Cosmo

Voyage No.:

207

REQUEST OF: COMMODITY:

Koppers Company Inc. Coal Tar Pitch LOCATION:

Berth 411

Port of Portland

	LIGHT DISPLACEMENT	LOADED DISPLACEMENT
DATE:	29-Jan-93	31-Jan-93
TIME:	6:30	6:30
DISPLACEMENT	•	
Draft Forward:	5.7190	3.0110
Draft Aft:	6.9640	6.7470
Midships-Port	6.3400	4.8300
Midships-Starboard	6.3700	4.8400
Mean of Means (Corrected)	6.3516	4.8460
Corresponding Displacement:	18,873.16	14,137.66
Trim Correction:	-43.19	-169.27
Density Correction:	1.000 -459.27	1.000 -340.69
Corrected Displacment:	18,370.70	13,627.70
DEDUCTIONS:		
Fuel Oil:	250.80	1,046.30
Diesel Oil:	10.70	104.30
Fresh Water:	320.00	380.00
Ballast Water:	5,305.00	5,623.00
Others:	22.10	22.10
TOTAL:	5,908.60	7,175.70
LOADED DISPLACMENT:	6,452.00	M/Tons: 6,010.10
LIGHT DISPLACEMENT:	12,462.10	
TOTAL CARGO:	6,010.10	• .

Original Signed by Chief Officer

Chief Officer Blue Cosmo

Surveyor

Captain Peter J. Morrison

01/25/93 16:18:02

SUIFT44->

415 362 1755 via5167592888 *41885 Page 1

TO

2/2

SFRNZ

TO: SUMITOMO CORPURATION OF AMERICA, SAN FRANCISCO

ATTN: MR. SHIOMI,

GROUP PRODUCTS MANAGER

TO: FRITZ MARITIME AGENCIES, PORTLAND

CC: DALICHI CHUO, SEATTLE

ATTN: CAPT.FURUKAWA

FM: DATICHI CHUO, NEW YORK

RE: BLUE COSMO/V.287

FYG. UPDATED SITUATION IS AS FULLOWS:

..ETA COLIMBIA RIVER PILOT STATION 1738/28TH/JANUARY

. BERTHING ON ARRIVAL

... COMMENCING DISCHARGE BOOK HOURS 29TH JANUARY

...HALL-BUCK MARINE EXPECTS 6-8 SHIFTS IN ORDER TO COMPLETE DISCHARGE

FRITZ MARITIME HAS BEEN IN VERY CLOSE CONTACT WITH HALL-BUCK, AND EVERYTHING SEEMS TO BE IN URDER.

IF ANYTHING CHANGES, WE WILL INFORM TO YOU.

TRS/RGDS - TOM MCMAHON +++



SUMITOMO CORPORATION OF AMERICA

F A X

To Koppers Industries, Inc.

Attn. : Mr. Walter Turner

Mr. Amos Kameror

Page Lot 2

Date / Ref. No.:

January 25, 1993 /SFFNZ- 0/40

Name

M. Shiomi, Group Product Mgr.

Dept.

Petroleum & Carbon

Tel No

San Francisco Office

(415) 984-3200

(415) 984-3258 (Direct)

984-3260

Fax No...

(412) 227-2202

(503) 285-2831

New Fax No. (415) 984-3368

Subject.

Kawasaki Pitch 6,000MT Shipment aboard "BLUE COSMO"

Dear Walter,

Please be informed that "BLUE COSMO" is due to arrive 17:30 hours January 26. Please refer to the attached fax we received from the shipping company for details.

Best regards,

Mike Shiomi

One California Suece Sun Francisco, CV 94111-54935

001

415 964 3368

JAN-22-1993 08:57 FROM SCOA SFRNZ

TO

KOPPERS P.01



SUMITOMO CORPORATION OF AMERICA

F A X

To: Koppers Industries, Inc. Pittsburgh, PA Page 1 of 2

Date / Ref. No.:

Jan. 22, 1993 /5FRNz-

Attn: Mr. Walter W. Turner

Name:

M. Shiomi, Group Product Mgr.

Dept.:

Petroleum & Carbon San Francisco Office

Tel. No.:

(415) 984-3200

(415) 984-3258 (Direct)

984-3260

Fax No.:

(412) 227-2202

New Fax No.

(415) 984-3368

Subject:

Subject: Coaltar Pitch 6,000MT Shipment Aboard "Blue Cosmo"

Dear Mr. Turner:

Regretfully, the vessel has delayed again and the current E.T.A. Portland has been amended to January 29.

The reason of this delay is heavy seas and adverse weather. We will keep you informed.

Best regards,

Mike Shiomi

Attachment: Telex from vessel company.

Konnaranna



F A X

SUMITOMO CORPORATION OF AMERICA

To Koppers Industries, Inc. Page 1 of 1

Pittsburgh, PA

Date / Ref. No.

Jan. 13, 1993 /SFRNZ-0076

Attn: Mr. Walter W. Turner

Name:

M. Shiomi, Group Product Mgr.

Copy to: Mr. Amos S. Kamerer

Dept.:

Tel. No

Petroleum & Carbon San Francisco Office

(415) 984-3200

(415) 984-3258 (Direct)

984-3260

Fax No.:

(412) 227-2202

(503) 285-2831

New Fax No.

(415) 984-3368

Subject: Kawasaki Coal Tar Pitch 6,000 MT Max. January Delivery

Dear Mr. Turner:

we are pleased to inform you the shipping advice of above shipment as follows:

Vessel Name: M/V "BLUE COSMO"

B/L Date:

January 13, 1993

B/L No.

DCTY-MZPT-0010-2032

B/L Quantity: 6,000 MT

Sailed out

Mizushima,

Japan:

Jan. 13, 1993

ETA Portland: Jan. 27, 1993

Best regards,

Mike Shiomi

One California Stoppe San Francisco, CA 94111-5099

Sumitomo Corporation OF AMERICA

TO

 $F \wedge X$

Koppers Industries, Inc.

Attn: Mr. Walter W. Turner

Copy: Mr. Amos S. Kamerer

Page 1 of 1

Date/Ref. No.; January 11, 1993 /SFRNZ-0064

Name

M. Shiomi, Group Product Mgr.

Deptir

Petroleum & Carbon

Tel. No

San Francisco Office

(415) 984-3200

(415) 984-3258 (Direct)

984-3260

Fax No.: (412) 227-2202

(503) **285-283/**

New Fax No.

(415) 984-3368

Subject:

Kawasaki Pitch 6,000MT Shipment aboard "BLUE COSMO"

Dear Walter,

Please be informed that loading of pitch has delayed due to a bad weather and and is supposed to complete January 11 PM, Consequently her ETA has been pushed back to January 28-29 in Portland.

Regards,

Mike Shiomi

One California Sugar San Francisco, CA 94111-5493

The company of the control of the co

TOTAL P.01



Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

FAX - 011-614-967-4998

Telephone: (412) 227-2001 FAX: (412) 227-2841

January 8, 1993

TO: John Crawford

KAP

We have received several calls for paperwork (Bill of Lading and Invoices) to clear customs for the two cargoes of Coal Tar Pitch from China via m.v. "Amanda Smits" and m.v. "Blue Cosmo". In the interest of saving some time, please air express a copy of the invoice and most importantly, the original Bill of Ladings directly to:

Bill Boyd Myers Group (US, Inc.) 6645 North East 78th Court Suite C-6 Portland, OR 97218

Original invoice and other documentation copies should be sent to W. W. Turner in the usual manner.

Your assistance is most appreciated.

. Sebbens

JSS:kas

cc: W. Turner

P. Thomas

J. Oxford - FAX copy

	memo 7671 # of pages >
TO DOHN OXFURD	From JAY Selbens
co. Pustland	Co.
Dept.	Phone #
Fex #	Fax #

15:35

001.

415 984 3368

DEC-29-1992 09:15 FROM

SUMITOMO CORPORATION

KOPPERS

P. 01

F A X

To:

Koppers Industries, Inc.

Pittsburgh, PA

Att Mr. Walter W. Turner Vice President & Manager Marketing & Development Indus: lal Pitches & Related Products

Fax No..

(412) 227-2202

Page 1 of 1

OF AMERICA

Date / Ref. No :

Dec. 29, 1992 /SFRNZ-0030

Name:

M. Shiomi, Group Product Mgr.

Dept.:

Petroleum & Carbon San Francisco Office

Tel. No.:

(415) 984-3200

(415) 984-3258 (Distact) 🗀

984-3260

(415) 984-3368 Now Fax No.

Kawasaki Coal Tar Pitch/6,000 MT Max. January Delivery

Dear Mr. Turner:

Please be informed that ETA Portland of M/V "BLUE COSMO" is now January 25 or 26, 1993.

Unfortunately she is delayed much in the previous voyage due to heavy weather, which kindly understand.

We will keep you posted.

Best Regards,

Mike Shiomi

Group Product Manager Petroleum & Carbon Dept.

Post-It** brand fax transmittal m	emo 7671 #ofpages > /
"ano Kamere	From A H Luner
on Hoodstand	Co.
Оері	Phone #
FHX #	Faxi

発信 SUMIT TKY CARBW DEPT P01

FACSIMILE ((TOP URGENT))

Page No. (Sect. Code)

TO: KOPPERS INDUSTRIES, INC.

ATTN: MR. WALTER W. TURNER

436 SEVENTH AVENUE

PITTSBURGH, PA 15219-1800

CC : SUMITOMO CORPORATION OF AMERICA

ATTN: MR.MIKE SHIOMI

Our Ref.

~ 003

Date 19 - NOV. -1992

住友商事株式会社 東京本社 SUMITOMO CORPORATION TOKYO

Dept./Sect. CARBON-PEPT.

Mgr.

Staff T. UEDZel:

Our Fax No (03)-3296-3679

Subject

RE: COAL TAR PITCH DECEMBER SHIPMENT

WE ARE PLEASED TO INFORM YOU OF THE VESSEL NOMINATION AS BELOWS PLEASE CONFIRM YOUR ACCEPTANCE OF THIS NOMINATION WITHIN TODAY, IF POSSIBLE, PLEASE KINDLY NOTE FF YOU CONFIRM IT ON FRIDAY YOUR TIME, WE CAN GET IT ON NEXT THESDAY DUE TO JAPANESP HOLIDAY ON NOV23 , WHICH IS A LITTLE BIT TOO LATE TO FIX VESSEL SPACE WITH SHIPPING EUMPANY, (PIEALE SEND YOUR CONFIRMATION BY FAX. FAX NO. 63-3296-3679)

CALL VESSEL NAME

: M/V " BLUE COSMO"

12) QUANTITY

: 6,000 MT MAX

(3) SHIPEMNT SCHOULE: ETD JAPAN DEC. 29-30, 1992

ETA PORTLAND JAN. 13-14, 1992

(4) PARTICULAR

FLAC

: MYAMMER

BUILT

: 1982

DEAD WEIGHT

: 25,426 MT

FULL DRAFT

: 10.229 M

A O.J

: 160.80 M

BEAM

: 25.20 M

TYPE

: 4 HOP " '4 HATCHES

DERRICK

: 25**T** \ \ \ \

(5) DISCHARGING RUN

: 1,500 KT warSHEX, UU, ATC

*) DEMURRAGE RATE

: US\$7,500/DAY PRO RATA

DESPATCH RAIL

: USS . 750/DAY PRO RATA

Fr , REGARDS.

7. tirett.

"Amanda Smits" - Chinese Pitch, 1993

Itch Consignment 3-2-93 1,2500 43100 3-2-93 2401 42300 3-2-93 7401 93- د ، 3 63000 3-2-93 63200 193680 1304803-1-93 71526 124080 3-1-93 3-2 23 75105 61000 185080 3-4 63 800 3 - 4 60700 42100 3 - 4 40600 3-4 60700 3-4 3-3-93 6/400 86 480 3-4-93 BN 419561 60180 61600 3 ... 99/80 GOQ 85120 63200 118370 60500 ON 71999 164000 103 200 61000 SLSF 82307 106/80 3 --CKQ 85178 199200 52900 3-7-93 136300 MP75748 01700 124940 3-5-93 18-10-640 NP 75602 135100-12700 3-5-93 3-5 165F1882008 18.521 62500 122760 3-5-93 3-8 20:160 64200 23 60 800 2.7 21 30 2719080 1146380 1427300

Koppers009417



Vanalco, Inc. 5701 NW Lower River Road

TELECOMMUNICATION - PROCUREMENT DEPT.

FAX NO. 206-696-8641

ro: MALY G	a Koppas
FAX NO. 303	3-295-2831
SEND DATE:	3-14-93
NO. OF PAGES TO FO	OLLOW:
FROM:	udy Chipmin
	696-8640

`	KoP	PERS - Pi	Tch Consi	g NAENT	Eet 1993		<u> </u>
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3 /	en 419325	185020	62500	122,520	2-19-93	2-22	2
· 4 V	6N 71518	192260	62700	129,580	2-19-93	2-22	2
5 /	COQ 25188	194160	61800	132,360	2 - 12-93	2 - 23	2
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7 /	NP 75350	176100	61400	114,700	2-22-93	2-23	1
8 /	S45F182058	165180	62500	102,680	2-22-93	2-23	2
9.1	SLSF 82234	172540	100100	112,440	2-22-93	2-23	2
10 /	NP 75311	163660	61200	102,460	2-23-93	2-23	12
11 /	BN435474	179320	62200	117,120	2-24-93	2-25	2
12 1	S45F18224	179680	62700	114,980	2-24-43	2-25	12
13 1/	GN 71512	192480	63000	129,480	2-24-93	2-25	12
14 /	SLSF.182052	179080	62300	114,780	2-24-93	2-25	12
15 /	GN71507	194140	43600	130,540	2-24-93	2-25	12
16	AN 475016	190660	63700	126,960	2-24-93	2-25	کب
17 /	BN 438033	176940	62800	114,140	2-25-93	2-26	2
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22 /	CAQ 85 159	19730V	63200	134,100	2-25-93	2-26	2
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27	WP 75303	183620	61,100	122 520	2-26-93	2-27	_
28	BN 435115	1847720	6/600	183,120	2-26-93	7-27	!

5,118,440 - 1,742,400 = 3,374,240

+ 62/16/83 14:59 \$206 696 8641 VANALCO PUR DEPT Fax 503- 285 2831

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6	M 25322	180000	61.500	118500	2-10-93	2-11	2-11
9	NP 75300	182020	6/400	120620	2-10-93	2-11	2-4
10	NP 75334	187060	60700	126360	2-10-93	2-11	2-1
11	SLSF 182130	18/240	61900	119340	2-12-93	2-15	2-15
12	SLSF 18,2060	198600	102600	116 000	2-12-93	2-15	215
13	SLSF 82367	176660	61000	115660	2-12-43	2-45	2-12
11647	GN 71529	1865,20	63700	122820	2-12-93	2-15	2-15
FF XIII	SLSF 182016	174580	62700	111880	2-12-93	2-15	2-1-
Town And	NP 75399	167000	41006	106,000	2-12-93	2-15	2-15
17 🗸	NP 75301	1868-20	100400	120,420	2-16-93	2-17	1 4 6.
18	CBG- 55794	191680	63000	128,680	2-16-93	2-17	12-11
19 /	NP 75337	180240	60900	119, 340	2-16-93	2-17	12-10
20 V	B~419421	183020	62100	120,920	2-16-93	2-17	2- /
21 √	GN 71548	205640	69000	136,640	2-16-93	2-17	2-1
22 🗸	CB9 85/63	195820	62700	133,120	2-16-43	2-12.	12-1
23 🗸	6~71522	186140	635.00	122,640	2-17-93	2 ~/8	12-2
24 V	6~71998	183 260	60200	123,060	2-17-93	2-18	2-2
25 🗸	GN 71994	179580	61700	1 .	2-17-93		2-1
26 1/	NR 75308	179160	61200	1 1	2-17-93		27.
27 1/	GN 71554	196420	60900	1	2-17-93	i	127
28	SLSF 82232	1	61300	120,340	1	1	2-4
29	SASF 52257		61100	122,220	1		2-19
30 🗸	SLSF 82358		161200	118,340			2-6
31 /	CBQ 55181			131,320			2-1
	BN 435033		62400	11.7,720	1		2-1°
	DN 419495	179520		117,120	1		2-1
	CDQ \$5197		62400	113,040	10 0		3.2
	SLSF 82164		1090	123,800	2-19-93		
V	BN 419524	180180	6/000	119,180	2-14-93	2-22	$\frac{2 \cdot 2}{2 \cdot 2}$
#F-1997		6791380		4496,380			



INTEROFFICE CORRESPONDENCE

To:

KEN REGEL

From: MARY NEAL

Location K-1600

Location: PORTLAND PLANT

Subject: WEIGHTS ON CARS TO VANALCO

Date:

March 23, 1993

THE FOLLOWING ARE THE WEIGHTS ON THE 88 CARS SHIPPED TO VANALCO FROM THE AMANDA SMITS FROM CHINA.

DATE CAR#	BILL OF LADING #	GROSS	TARE	NET	TONS
2/5 BN-419388 " BN-435027 " CBQ-85140 " GN-71517 " GN-71564 " NP-75345 " NP-75300 " NP-75322 " NP-75334 " SLSF-82313	KG-55372	188940 182440 187700 176280 187160 188920 182020 180000 187060 173400	61900 61900 62200 63300 63300 61900 61400 61500 60700 61800	127040 120540 125500 112960 123860 127020 120620 118500 126360 111600	63.52 60.27 62.75 56.48 61.93 63.51 60.31 59.25 63.18 55.80
2/5 BN-475013 " BN-435415 " GN-71573 " GN-71551 " NP-75391 " NP-75303 " NP-75331 " SLSF-8223 " SLSF-8231	 	188160 184720 188740 189060 174580 183620 173340 179540 173340	63800 61600 63600 63100 60600 61100 60700 62100 62000	124360 123120 125140 125960 113980 122520 112640 117440 111340	62.18 61.56 62.57 62.98 56.99 61.26 56.32 58.72 55.67
2/6 BN-419377 " BN-419371 " CBQ-85159 " CBQ-85166 " CBQ-85103 " GN-71526 " NP-75305 " NP-75619 " SLSF-1820		185020 184560 197300 195340 192260 193680 185080 198060 181040	62100 62500 63200 63100 63000 63200 61000 62300 62300	122920 122060 134100 132240 129260 130480 124080 135760 118740	61.46 61.03 67.05 66.12 64.63 65.24 62.04 67.88 59.37

1,149,640 574.82

PAGE -2-

2/6 BN-475016 KG-55375 190660 63700 1269 " CBQ-85178 " 199200 62900 1363 " GN-71578 " 200160 64200 1359 " NP-75348 " 186640 61700 1249 " NP-75392 " 180860 60700 1201 " NP-75602 " 197800 62700 1351 " NP-75383 " 174220 61000 1132 " SLSF-185760 " 185760 60800 1249 " SLSF-182008 " 185260 62500 1227 1,140,3 185260 62500 1227 1,140,3 185260 62500 127 " BN-435474 KG-55376 179320 62200 1171 " BN-419561 " 160780 61600 9918 " GN-71507 " 19440 63600 1305 " GN-71512 " 192480 63000	TON
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2/7 CBQ-85120 KG-55377 178520 63200 1153	20 57.66
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" NP-75311 " 163660 61200 1024	
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" SLSF-82301 " 167180 61000 1061	
" SLSF-182058 " 165180 62500 1026	80 51.34
" SLSF-182016 " 174580 62700 1118	80 55.94
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2/7 BN-435425 KG-55378 174640 61600 1130	
" BN-419495 " 179520 62400 1171	
" CBQ-85194 " 191680 63000 1286	
" GN-71529 " 186520 63700 1228	
" NP-75301 " 180820 60400 1204	
" NP-75337 " 180240 60900 1193	
" SLSF-182080 " 178600 62600 1160	
" SLSF-182130 " 181240 61900 1193	
" SLSF-82367 " 176660 61000 1156	60 57.83
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DATE	CAR # BILL OF LADING		TARE	NET	TONS
2/7	BN-435033 KG-5537	9 179520	62400	117120	58.56
11	BN-419421 "	183020	62100	120920	60.46
**	CBQ-85188 "	194160	61800	132360	66.18
**	CBQ-85181 "	194120	62800	131320	65.66
n	CBQ-85163 "	195820	62700	133120	66.56
**	GN-71548 "	205640	69000	136640	68.32
**	SLSF-182177 "	186900	62300	124600	62.30
11	SLSF-82358 "	179540	61200	118340	59.17
**	SLSF-82257 "	183320	61100	122220	61.11
			-	1.136,640	568.32
2/7	BN-419375 KG-553	80 185020	62500	122520	61.26
••	GN-71554 "	196420	60900	135520	67.76
••	GN-71998 "	183260	60200	123060	61.53
**	GN-71523 "	186140	63500	122640	61.32
••	GN-71518 "	192280	62700	129580	64.79
**	GN-71994 "	179580	61700	117880	58.94
**	NP-75320 "	183420	61200	122220	61.11
••	NP-75308 "	179160	61200	117960	58.98
**	SLSF-82232 "	181640	61300	120340	60.17
			-	1,111,720	555.86
2/7	BN-419524 KG-553	81 180180	61000	119180	59.59
**	BN-438033 "	176940	62800	114140	57 .07
••	CBQ-85197 "	193820	62400	131420	65.71
••	GN-71991 "	182560	61600	120960	60.48
**	SLSF-82017 "	176200	61500	184700	57.35
••	SLSF-82164 "	184700	60900	123800	61.90
			-	724200	362.10

PAGE -4- RECAP

DATE	BILL OF LADING #	NET WEIGHT	TONS	CARS
2/5	KG-55372	1,214,000	60700	10
2/6	KG-55373	1,076,500	538.25	9
2/6	KG-55374	1,149,640	574.82	9
2/6	KG-55375	1,140,360	570.18	9
2/6	KG-55376	994,520	497.26	9
2/7	KG-55377	971,100	485.55	9
2/7	KG-55378	1,072,420	536.21	9
2/7	KG-55379	1,136,640	568.32	9
2/7	KG-55380	1,111,720	555.86	9
2/7	KG-55381	724,200	362.10	6
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		2BP 85140	187700	\$ 2200	125-300	42/73	
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	1 1/W 71576	200/60	64200	135960	67.98	
	NP75348	186640	6/200	124940	6247	
	NP 75392	180860	60200	120160	60.08	
	101P75602	197800	62700	135100	6255	
	NG 753 63	174.220	6/000	1/3220	3661	
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	hay stand	185760	62500	122760	6138	
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. LW 7/807	194140	63600	130540	6527	
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NP 75345	144760		83260		
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		NP 75399	167000	6,000	10600	53.00		
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2013 7H101
AERK STEAMSHIP COMPANY, INC.
12th Avenue Building, Suite 2(1
1133 Southwest Market Stree
Cortland, Oregon 97201

please call to advise all info

ro: Mary

FROM: X

NUMBER OF PAGES INCLUDING COVER SHEET:

IF YOU HAVE ANY PROBLEM RECEIVING, PLEASE CALL:

(503) 220-2500

COVER SHEET

THANK YOU,

KERR STEAMSHIP CO. PORTLAND, OREGON

RAPICOM (503 220-2524

cara 12823826

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EEB-10-1663 11:44 EEGW KEEB 22 BJF

Koppers009437

Kerr Steamship Company, Inc.

KERR STEAMSHIP CO., INC.
1SW COLUMBIA SUITE 780

STATEMENT OF FACT

PORTLAND, OREGON									
2. Vessel's name	3. Port	and the second second section of the second							
MV AMANDA SMITS	PORTLAND, OREGO	N							
4. Owners / Disponent Owners	5. Vessel berthed								
GENERAL SHIPPING AND CHARTERING	05 FEBRUARY 199	3 0145/0200							
K.P. VAN DER MANDELELAAN 66 3062 MB ROTTERDAM	6. Leading commenced	7. Loading completed							
8. Cargo	9. Discharging commences	10. Discharging completed							
PENCIL PITCH IN BULK	05FEB93 0830HR	07FEB93 2245HR							
	11. Cargo documents on board	12. Vessel sailed							
		08FEB93 0915HR							
13. Charter Party	14. Working hours/meal hours of t	he port							
PER RELEVANT CHARTER PARTY	0800 - 1700 / 1	200 - 1300							
15. Bill of Lading weight/quantity It. Outturn weight/quantity	1800 - 0300 / 2	200 - 2300							
	0300 - 0800								
17. Vessel arrived on reads	18. ARVL CONDITION	DF DA							
	GO 45 FO	9 FW 80							
19. Notice of readiness tendered	20. DEPT CONDIT: ON	DF 2.4 DA 5.9							
05 FEB 93 0200HR ACCPT 05FEB93 0800HR	GO 45 F() 35	8 FW							
21. Next ride available	22.								

DETAILS OF DAILY WORKING

Date	Day	Hour -	worked	Hours	Hopped	No. of gangs	Quantity	Remorks
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	{	0830	1200		1000			DISCH CARGO FW
				1200	1300			MEAL HOUR
	1			1300	1315		•	COVER FWD
	1			1315	1330			UNCOVER AFT
		1330	1700				•	DISCH CARGO AF
,	NITE	1800	0300			1	863.9	TTL THIS SHIFT
			,	1800	1815		1	S/B SAFETY MTG
			:	1815	1830	}	'	UNCOVER FWD
			0000	1830	1840			TRAVEL FWD
	ŀ	1840	2000				}	DISCH CARGO FW
{		0010	0000	2000	2010	}		TRAVEL AFT
		2010	2200	2200	2300			DISCH CARGO AF
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		0100	0130	0000	1			DISCH CARGO AF
				0130	0140	·		TRAVEL FWD
		0140	0245	1				DISCH CARGO FW
				0245	0300			GEAR OFF
O6FEB93	SATURDAY	0800	1700			1	1396.2	TTL THIS SHIFT
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				0920	0925			TRAVEL AFT
		0920	1200					DISCH CARGO AF
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	1	1300	1330		1046			HISCH CARGO AF
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		1340	1655	1655	1700			DISCH CARGO AF
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Plating 1993	Name and signature (Master)
Name and signature (Agents)	Name and signature (for the Charterits/Shippers/Receivers)
KERR STEAMSHIP COMPAN', INC.	KOPPERS IND.
PORTLAND, OREGON / (A //)	

EFFR STEAMSHIP CO., INC. ISW COLUMBIA SUITE 780 PORTLAND, OREGON

AMANDA SMITS

PAGE. 02

PORT: PORTLAND, OREGON HALL BUCK

		HRS W	ORKED	HRS S	TOPPE:	D				
DATE	DAY	FRCM	TO	FROM	TO	NO.GANGS	LOADED	REMARKS		
06FEB93	SATURDAY	1800	0300			1	1020.3	TTL THIS SHIFT		
				1800	1830			S/B VSLS GEAR		
				1830	1845			HOIST PAYLDR		
				1845	1855			TRAVEL AFT		
		1855	2045					DISCH CARGO AF		
				2045	2055			TRAVEL FWD		
		2055	2200					DISCH CARGO FW		
				2200	2300			MEAL HOUR		
				2300	2310			TRAVEL AFT		
		2310	0110					DISCH CARGO AF		
		0110	0245					DISCH CARGO FW		
				0245	0300			GEAR OFF		
07FEB93	TRIDAY	0800	1700			1	912.9	TTL THIS SHIFT		
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-				1200	1300			MEAL HOUR		
				1300	1315			S/B FACILITY		
		1315	1445					DISCH CARGO		
				1445	1500			S/B FACILITY		
		1500	1700					DISCH CARGO		
	NITE	1800	0300			1	919.7	TTL THIS SHIFT		
		1800	2245					DISCH CARGO		
				2245	2250			RAISE TRAY		
				2250	2300			GEAR OFF		
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				0000	0300			DEAD TIME		

PORTLAND OR. 07 FEB 1993

KERR STEAMSHIP COMPANY, INC. PORTLAND, OREGON

- 123 Ch- 5-

MASTER AMANDA SMITS

KOPPERS IND.

Kerr Steamship Company, Inc.

12th Avenue Building, Suite 201 1133 SouthWest Market Street Portland, Oregon 97201

Cable Address "KERRLINE"

Telex RCA 277303 360818

Telephone (503) 220-2500

FAX (503) 220-2524

FECEIVED

FEB 16 1993

KOPPERS INDS. INC.

PORTLAND, OR

12 February 1993

Atlanta Battimore

Boston Charleston Chicago Cleveland

Coos Bay Cranford, NJ

Dallas

Detroit Galveston

Halifax N.S.

Houston Jacksonville

Jacksonville
Long Beach
Memphis
Miami, FL
Mobile
Montreal
New Orleans
New York
Norfolk
Philadelphia
Portland, OR
San Francisco

San Francisco Savannah

Vancouver, B.C. Wilmington, N.C.

Seattle Tampa Toronto Koppers Industries, Inc. 7540 NW St. Helens Rd. Portland, OR 97210

Re: AMANDA SMITS

Gentlemen;

Please sign and return the original copy of the enclosed Statement of Fact in a timely manner.

Very truly yours,

KERR STEAMSHIP COMPANY, INC.

AS AGENTS

Dee Elliott Marine Assistant

KMD 021-93

Enc1

Kerr Steamship Company, Inc.

KERR STEAMSHIP CO., INC. 1SW COLUMBIA SUITE 780 PORTLAND, OREGON	STATEMENT OF FACT					
2. Vessel's name	3. Port					
MV AMANDA SMITS	PORTLAND, OREGO	N				
4. Owners/Disponent Owners	5. Vessel berthed					
GENERAL SHIPPING AND CHARTERING	05 FEBRUARY 199	3 0145/0200				
K.P. VAN DER MANDELELAAN 66 3062 MB ROTTERDAM	6. Loading commenced	7. Loading completed				
8. Cargo	9. Discharging commenced	10. Discharging completed 07FEB93 2245HR				
PENCIL PITCH IN BULK	05FEB93 0830HR					
	11. Cargo documents on board	12. Vessel sailed				
		08FEB93 0915HR				
3. Charter Party	14. Working hours/meal hours of th	ne port				
PER RELEVANT CHARTER PARTY	0800 - 1700 / 1	200 - 1300				
5. Bill of Lading weight/quantity 16. Outturn weight/quantity	1800 - 0300 / 2200 - 2300					
	0300 - 0800					
7. Vessel arrived on roads	18. ARVL CONDITION DF DA					
	GO 45 FO	9 FW 80				
9. Notice of readiness tendered	20. DEPT CONDITION	DF 2.4 DA 5.9				
05 FEB 93 0200HR ACCPT 05FEB93 0800HR	GO 45 FO 35	8 FW				

DETAILS OF DAILY WORKING

Date	Day	Hours worked		Hours stopped		No. of gangs	Quantity	Remarks
		From	to	From	to		load./disch.	, como as
05FEB93 I	FRIDAY	0800	1700	1		1	987.0	TTL THIS SHIFT
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i	j	1340	1655]]		DISCH CARGO AF
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Name and signature (Master)

Name and signature (Master)

Name and signature (For the Charterers / Shippers / Receivers)

KERR STEAMSHIP COMPANY, INC.

PORTLAND, OREGON

A White

KERR STEAMSHIP CO., INC. 1SW COLUMBIA SUITE 780 PORTLAND, OREGON

PAGE. 02

AMANDA SMITS

PORT: PORTLAND, OREGON HALL BUCK

DATE	DAY	HRS WORKED FROM TO		HRS STOPPED FROM TO NO.GANGS			LOADED	REMARKS		
					····	***************************************	· · · · · · · · · · · · · · · · · · ·			
06FEB93	SATURDAY	1800	0300			1	1020.3	TTL THIS SHIFT		
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				2045	2055			TRAVEL FWD		
		2055	2200					DISCH CARGO FW		
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07FEB93	SUNDAY	0800	1700			1	912.9	TTL THIS SHIFT		
		0800	0930			-		DISCH CARGO		
				0930	1200			S/B FACILITY		
				1200	1300			MEAL HOUR		
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		1315	1445	1000	1010			DISCH CARGO		
		1010	1110	1445	1500			S/B FACILITY		
		1500	1700	1110	1000			DISCH CARGO		
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	NITE	1800	0300			1	919.7	TTL THIS SHIFT		
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				2245	2250			RAISE TRAY		
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				0000	0300	•		DEAD ITHE		

PORTLAND OR. 07 FEB 1993

KERR STEAMSHIP COMPANY, INC. PORTLAND, OREGON

KOPPERS IND.

MASTER AMANDA SMITS



Telephone: (503) 286-3681 FAX: (503) 285-2831

FEBRUARY 5, 1993

TO WHOM IT MAY CONCERN:

THE SHIP " AMANDA SMITS " ARRIVED FROM CHINA AND ON 2/5/93 ARRANGEMENTS WERE MADE WITH OUTSIDE TRUCKING FIRMS TO HAUL ABOUT 1400 METRIC TONS OVER TO THE PORTLAND PLANT FROM PORT OF PORTLAND TERMINAL # 4. THE FOLLOWING RATES WERE QUOTED FOR ONE DAY/TWO SHIFT TRUCKING.

TO & FROM ENTERPRISES	AURORA, OR	\$ 52.00	PER	HOUR
BOB RANDOLPH TRUCKING	PORTLAND, OR	\$ 40.00	PER	HOUR
TRANSPORT SERVICE	ALOHA, OR	\$ 52.00	PER	HOUR
EICHSTADT TRUCKING	TIGARD, OR	\$ 52.00	PER	HOUR
ALLEN BERRY	AURORA, OR	\$ 42.00	PER	HOUR
KEN ESPEDAHL	PORTLAND, OR	\$ 38.00	PER	HOUR

JOHN A. OXFORD PLANT MANAGER



INTEROFFICE CORRESPONDENCE

LARRY FLAHERTY

From: JOHN A. OXFORD

Location: K-1750

Location: PORTLAND PLANT

Subject: REPORT OF IMPORT PITCH SHIPS

Date: February 11, 1993

Dear Larry:

This is a report of the unloading of two ships of import pitch here in Portland.

The first ship the "Blue Cosmos" began unloading at 8 AM on January 29, 1993. This ship h ad 6010.1 Metric Tons on board. Discharge of the Commodity thru Hall Buck was delivered to our plant by truck from their facility at the Port of Portland. Initially we had hired a total of ten trucks which included our large belly dump, plus three other belly dumps, two back end dump trucks with pups, and four small back end dump trucks. After the first two hours of unloading, it was obvious we did not have enough trucks, we were able to add more rental trucks and at one time a total of 24 trucks were running. We had 3 payloader operators plus another employee acting as a "traffic cop". It is amazing when you see the Case 821 loader push a complete truck load with only one try.

Our cost for belly dump and back end dump trucks averaged \$55.00 per hour, our cost for the small dump trucks averaged \$40.00 per hour. Discharge was completed Sunday January 13, 1993 at 3 PM. There were no incidents of spillage, minor breakdowns of the payloaders was experienced but T. J. was able to effect repairs and down time in each case was less than one hour. We were reported by a longshoreman to the City of Portland and the Portland City School District for purportedly "spilling pitch in a school cross walk and exposing school children to cancer". Both Mark Donnelly and myself went to the cross walk and the whole truck route for that matter, and could find no evidence that there was any spillage at all. Mr. Donnelly is Safety Manager for Hall Buck.

The "Amanda Smits" arrived on berth at 2 AM, February 5, 1993, and we began the discharge at 8 AM that morning. The ship was very small as her tonnage of 6037 Metric Tons was all she It should be noted that the "Blue Cosmos" was a could carry. true bulk cargo ship by that I mean the holds were straight sided, square shaped with no internal ribs or tween deck pontoons which made cleaning very easy. Unfortunately this was not the case with the "Amanda Smits". This ship had tween decks with her pontoons stored in the cargo forward, mid and aft. were ribs in her aft section which also slowed down the cleaning. It is estimated 4 to 8 hours extra time was required, this could have been worse except that Hall Buck was able to clean one hold while working the second hold. A total of 88 rail cars were loaded and sent to Vanalco, we estimate 1400 tons was brought into the plant by truck. Discharge was completed at 11 PM February 7, 1993.

PAGE 2

Again no incidents of spillage reported, although a longshoreman registered a complaint with the Port of Portland that the unloading area was being heavily dusted by the pitch. The Port of Portland met with Mr. Kermit Petrie of Hall Buck and inspected the area and found nothing remarkable.

Amos and I had lunch with Mr. Petrie and his assistant at which time we were asked by Mr. Petrie what plans Koppers was making in the event that pitch goes on the hazardous list. We again informed Mr. Petrie that Koppers would do whatever was necessary in that event. Later that afternoon I attended a meeting at Hall Buck's with Mr. Petrie and Mr. John Mulkahie and Mr. Ron Hansen, Business Agents for longshoreman union local # 8. At this meeting the longshoreman tried to lay claim to past practices of driving the trucks to the delivery point after The longshoreman drive the trucks in loading at the Port. Longview, where Allied unloads their pitch, and also they wet down the trucks to lessen the exposure to the pitch. Their strategy was that if Hall Buck was responsible for chartering the ship or ordering the transport of the cargo by either truck or rail then by contract the longshoreman claimed right to the jobs of driving the trucks, at least while the trucks were on Port property.

It was pointed out to them that KAP Australia chartered the ships and Koppers Portland facility directed the disposition of the cargo either by truck to our plant or to other destinations which was classified information and not open to their review. For now, it looks as though we have won this round. There were discussions of the report to the City of Portland by longshoreman, Mr. Hansen the Business Agent for the union flatly denied that a longshoreman was responsible. Mr. Petrie then told Mr. Hansen the name of the longshoreman that did the reporting, Mr. Hansen had no further comment. Mr. Petrie feels that the longshoreman "don't have a leg to stand on".

Our running cost for trucking this ship was \$52.00 per hour for belly dumps and \$40.00 per hour for the small back end dumps.

One final comment the <u>Import Pitch</u> on the "Amanda Smits" was probably the best cargo from that supplier, but truthfully I must say it didn't hold a candle to the <u>Import materials</u> on the "Blue Cosmos". The "Amada Smits" <u>Import</u> had a large amount of fines.

Regards,

CC: W. Turner

K. Fitzgerald

Specifically States

1 to 100 100	VESSEL DISCH	ARGE R	BPORT								
LOAD DATE CUSTOMER	AMANDA SMITS 102/07/93 180PPBRS 1PBRCIL PITCH			PRINTED 02/08 04:58 PM							
SHIPPER			NUMBER	WRIGHT	DATE SHIPPED	DATE PLACED	DATE YARD	DATE	FROH HOLD \$		
	CARS RETURNED		RR								
	E - WERE ROTE										
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HALL-BUCK MARINE, INC.

P.O. Box 83838 . Pottand, OR 97263-0838

DATE: Men. 2/8/93

Page ____ of ___ Total.

FROM:

Wanda McChesney Railcar Coordinator-HBM/PBT (FAX No. 503-285-4467)

Ton Weld - BHRR

Final Diacharge Report: amanda Smits.

If you have any questions, please give me a call. Is

FAX TRANSMISSION (Cover Sheet)

Phone: (503) 285-2990 • WATS: 1-800-659-2990 • FAX: (503) 285-4407 • TELEX: 62185550

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2661/80/Z0 202 S82 T467

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HALL-BUCK KARINE, INC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

	ANANDA SMITS			P	RINTED				
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	KOPPERS				94:58 PK				
PRODUCT	PBHCIL PITCH								• • • • • • • • • • • • • • • • • • •
	• - 4		///	DATE	DATE	DATE	DATE	FROK	
SHIPPER	REMARKS	<u> </u>	NUMBER / WRIGHT	SHIPPED	PLACED	YARD	LOADED	HOTD #	
KOPPERS	VIABRER/	BH	419371 1	01728	02/02	027,02	02/06-1	. 1	
KOPPERS	VIABHER/	BH	419375	61/28	02/02	02/02	02/07-1	.1	
KOPPERS	VIABRER/	BN.	419377 //	91/28	02/02	02/02	02/06-1		
KOPPERS	VIABNER7	BR	419388	01/28	62/82	02/02	02/05-1	1	
KOPPERS KOPPERS	VIABNER/	BR	419421 //	01/28	02/02	02/02	02/07-1	i .	
	VIABERR/	B 8	419495	01/28	02/02	02/02	02/07-1	- <u>i</u>	
KOPPERS	VIABHER/	BN	419524 /// -	01/28	02/02	02/02	02/07-2		
KOPPERS	VIABBER/	88	419561	01/28	82/82	02/02	02/06-2	1	
COPPERS	VIABRER/	BN	435021	01/28	02/02	02/02	02/05-1		
COPPERS	VIAB:/		435415	91/28	02/02	92/92	02/07-1	1	
COPPERS	VIABHRR/	B N B N	435425	01/28 01/28	02/02	02/02 02/02	02/06-1 02/07-1	1	
TOPPERS	VEABRER/	BB	435474	01/28	02/02 62/02	02/02	02/06-1		•
SOPPERS	VEABRRR/	BR	438033	01/28	02/02	02/02	02/01-2	1	
TOPPERS	VIABARR/	BR	475013 9/	01/28	02/02	02/02	02/05-2	1	
1077888 10778888	VIABURR7	BN -	475016	01/28	02/02	02/02	02/06-1	<u>1</u>	
COPPERS	VIAB	CBQ	°5103 %	01/28	02/02	02/02	02/06-1	1	
10P2BRS	VIAE	080	. 120	01/28	02/02	02/02	02/06-2	1	
COPPERS	TINGA	CBQ-	85140//	01/28	02/02	02/02	02705-1	•	
LOPPERS	VEABRRR/	CBQ	85159 //	01/28	02/02	02/02	02/06-1	ì	
COPPERS	VIABRER/	CBQ	85163	01/28	02/02	02/02	02/07-1	1	• • • •
OPPERS	VIABRET	_C80	85166 /	01/28	02/02	02/02	02/06-1	1	
OPPERS	VIABRER/	CBQ	85178	01/28	02/02	02/02	02/06-1	i	
.022BRS	VIABNER/	080	85181 1	01/28	02/02	02/02	02/07-1	1	
OPPERS	VIAHNRET	CRO	85188 /	01/18	92/92	92/92	02/07-1	" 1	
OPPERS	VIABRER/	C80	85194	01/28	02/02	02/02	02/06-2	1	
OPPERS	VIABHER/	CBQ	85197	01/28	02/02	02/02	02/07-7	1	
OFFERS	VIABNER/	GN	11512	01728	02/02	72772	02706-1	T	
0 P P B R S	VIABBRR/	G N	71517	01/28	02/02	02/02	02/05-1	1	
OPPERS	VIABRRR/	G N	71518	01/28	02/02	02/02	ייר י	1	
OPPERS	AIMBAKKA	GH	71523	01/28	02/02	02/01		1	
OPPERS	VIABRER/	GN	71526	01/28	02/02	02/02	v	i	. ,
OPPERS	VIABARR/	G N	71529 //	01/28	02/02	₹ '00	92/0.	1	
OPPERS	VIABHER /	G N	71318/	01/28	02/02	02/01	02197-1		
OPPERS	VIABRRR/	GR	71551	01/28	02/02	02/02	ê .	1	
OPPERS	VIABNER/	GN	71554	01/28	02/02	02/02	0	1	
OPPERS	VIABRRR/	GN	71564 1/	91/28	02702	0270	02 s	1	*** **
OPPERS	VIABBER/	G N	71573 -	01/28	02/02	02/02	02/05-4	1	
OPPERS	VIABRER/	GR	11578.	01/28	02/02	02/02	02 36-1	1	
OPPERS	"VIABNRR/	GAT	71991	01/28	02/02	92/02	02/07=2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
OPPERS	VIABARR/	G H	71994/	91/28	02/02	02/02	02/07-1	1	
OPPERS	VIABBER/	GN	71998/	91/28	02/02	02/02	02/07-2	1	
TVARRS	VIABRER/	GN	71999	01/28	02/02	02702	02/06-2	1	
385	VIASBRR/	N P	75300	01/28	02/02	02/02	02/05-1	1	Address.
) P 2 8 R S	VIABRES/	p p pr	1201	01/28	02/02	02/02	02/06-2		
JEPER -	VIXBBER/	ħ3	73383	01/28	02/02	02/02	02/05-1	i	
<u>;</u>	≼ಟ'ಜ		2977 S82 S	a⊂ .∀u	. GNR JI 809	r-BNCK.	78F HUI	05\08\1993 ; 21	Colombia 1
•	الله ليخيه		2200 200 20					The second second	<u> </u>

HALL-BUCK	HARINE,	IRC.	1	PORTLAND	BULK	TERKINAL
VESSEL BT	gruings -	0 0 0 0 0	γ.			

SHIP NAME	ANARDA SHITS					PRINTED				
	:02/07/93			-		02/98			4	
CUSTONER	: KOPPERS					04:58 PM.				
PRODUCT	PRRCIL PITCH									
		-				, , , , , , , , , , , , , , , , , , , ,			, ,	2 1.712 1.71
					DATE	DATE	DATE	DATE	PRON	
SHIPPER	FIHARKS	CAR	RUHBER	MRIGHT	SHIPPED	STYCED	YARD	LOADED	HOLD #	
TOPPERS	VIADHRR/	NP	75305		01/28	02/02	02/02	02/06-1	. 1	, , , , , , , , , , , , , , , , , , , ,
COPPERS	VIABBER/	n P	15308		01/28	02/02	02/02	02/07-1	1	•
COPPERS	VIABNER/	N P	75320		01/28	02/02	02/02	02/07-1	1	
COPPERS	VIABHRR/	N.A.	15322		01/28	02/02	02/02	02/05-1	1	•
OPPERS	VIABNRR/	N P	75338		01/28	02/02	92/02	02/06-2	1	
COPPERS	VIABERR/	N P	15331		01/28	02/02	02/02	02/05-2	1	
OPPERS	VIABBRR/	P P	15334		01/28	02/02	02/02	02/05-1	i	
COPPERS	VIABRRR/	N P	15331		01/28	02/02	02/02	02/06-2	1	
COPPERS	VIABRRR/	N P	15343		91/28	02/02	02/02	02/06-2	1	
TOPPERS	VIABURR/	N P	15345		01/28	02/02	02/02	02/05-1	1	
10PPRS	VIABNER/	N P	75348		01/28	02/02	92/82	02/06-1	1	
COPPERS	VIABRRR/	NP	75350		01/28	02/02	02/02	02/06-1	1	
COPPERS	VIABERR/	NP	75383		01/28	02/02	02/02	03/06-1	1	
COPPERS	VIABNRR/	N P	15391		01/28	02/02	02/02	02/05-2	1	
OPPERS	VIABBER/	N P	15392		01/28	02/02	82/82	02/06-1	1	·
(OPPERS	VIABNER/	N P	75602		01/28	02/02	02/92	02/06-1	<u>-I</u>	
OPPERS	VIAP	N P	75619	<i>'</i> ,	01/28	02/02	02/02	02/06-1	1	
OPPERS	VIABA	SLSP		/	01/28	02/02	92/92	02/01-2	1	
COPPERS.	VIABRER/	SLSP		•	01/28	02/02	02/02	02/07-2	1	
(OPPERS	VIABHER/	SLSF			01/28	02/02	02/02	02/06-1	1	
COPERS	VIABERR/	SLSP		<u> </u>	01/28	02/02	92/02	02/07-1	1	
OPPERS	VIABURR/	SLSF	,		01/28	02/02	02/02	02/05-2	1	
OPPERS	VIABNRR/	SLSP			01/28	02/02	02/02	02/07-1	1	
102288	VIABHRR/	SLSP			91/28	02/02	02/02	02/06-2	1	
OFFRE	VIABHER7	SLSP			01/28	02/02	02/02	02/05-1	1	
OPPERS	VIABHRR/	81.57		-	81/28	02/02	02/02	82/85-2	1	
OPPERS	VIABERR/	SLSI		,	01/28	02/02	92/92	02/07-1	1	
10PPERS	VIABURE/	SLSP	7		01/28	02/02	02/02	02/06-2	1	
OPPERS	VIABNER/	SLSF			01/28	02/02	02/02	02/06-1	ì	
1022ERS	VIABBERE/	8181			01/28	02/02	02/02	02/06-2	1	
GPPERS	VIABARR/	SLSY			01/28	02702	07:02	72/06-1	1	
OPPERS	VIABNER/	SLSF			91/28	02/02	02.81	82/86-2	1	
OPPERS	VIABHRR/	SLSP			01/28	02/02	02/62	92/96-2	. 1	
OPPERS	VIABNER/	8131			01/28	02/02	02/02	02/06-2		
OPPERS	VIABNER/	SLSF			91/28	02/02	02/02	92/91	1	
022888	VIABERR/	SLSF			01/28	92/82	02/02	02/06-1		
OPPERS	VIABN/ADDL VIABN/ADDL	SLSF			91728	07/07	42/02	02/06-2		
OPPBRS		G R	71507		01/29	02/02	02/02	02/06-1	1	
OFFERS	VIABN/ADDL	GN WF:	75351		01/28	02/02	02/02	92/06-2	1	
OPPERS	VIABN/ADDL LODG/NBRIV	SLSF	,	,	81/28 81/28	02/02	02/02 02/02	02/06-2 02/06-1	1	
OPPERS	VIABR/ADDL	8 6 3 F 2 E	75399		01/28	02/02	02/02	02/06-2	1	
011010	114444444	a C .	11377 V			06106	# 6 / W 4	A	ı	- .
			88	6,069.7		EST. WT. PER	DRAFT SUR	V 8 Y		

88 RAILCARS

िराजा अराविवेद 10:37 महार HBUCK, PORTLAND, OR. 503 285 4467 हालड

TIS TRUCKS

EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, <u>PLEASE PRESS HARD</u>

Date in this block for TRUCK IN	A M	P M				RANDUM COPY OF		FRT. CHEC	IK NO. AA	ТИПОУ	AGENTS N	0.	·
BEG.	Â	P	10 g		BILL	OF LADING—SHO		ORDER NO.	s		SHIPPERS N	10	
P END	<u> </u>	P	This	Memoria	dum MN-	3153674-01. Its been issued and is not licete, covering the property if or record.	1	661–500132	XX		1		
<u> </u>	. M		is an ad the Orig	inal Bill III	ar dup	us been issued and is not loste, covering the property g or record.		IEES ORDER NO.			⊣ ĶG	553	72
OUT	Â	, M	namea			g or record. . : ::40		NONE	-	-	<u>}</u>		
RECEIVED, subject to	the clas	sifications	and lawfully fil	ed tariffs in effe	I all Land issue	of this Bill of Lading,				The fibre b	oxes and/o or tubs and	r the fibre be for the paper nform to the s maker's certi) and all oth n or National	arrels, r bags
ROM KO	PPERS	NDUSTRI	ES, INC.		AT TERMI	NAL #4		DATE 2/5/	93	ised for this lations set	Shipment co orth in the	nform to the s maker's certi	pecifi- ificate
e property described b	elow, in a	pparent good roughout this	order, except as contract as meanis	nated (contents and	condition of contents of p	packages unknown), marked, consigned the property under the contract) agree	I and destined as indica	ted below, which said compo	any (the	hereon (if a uirements o	ny required f the Uniform fications) and all off n or National	Mator
n its own road or its ov oute to destination, and	m water lis I as to eaci	ne, otherwise t h party at an	to deliver to anoth y time interested in	er convier on the ro all or any of said	ute to soid destination, it is property, that every service	is mutually agreed, as to each corrier of se to be performed because whall be	of all or any of said pro	sperty over all or any partian	of said	Shipper's im	print in lieu o	f stamp not a by the inte	part of
rinted or written, herein	contained,	including class	ification bills of ladi	ing conditions, which	are hereby agreed to by the	ne shipper and accepted for himself and	his assigns.						
CONSIGNED T					INUM CO					If the Shipmen by water, the la tate whether it	t moves between two requires that is carrier's or sh	en two perts by a t the bill of ladir ipper's weight	ng shall
STREET ADDRE	55		- CONSI		·								SEE
DESTINATION			VANCO	UVER WA	98860	<u> </u>	CA	IR OR VEH. IN. & NO.		CAR OR VEH.	SEAL NO		
NAME OF CARRIER			BN RR				<u>.</u>	IN OR VEALING & NO.	1	DAR OR FEEL	DEAL NO.		
ROUTE			BN RR							IF CHARGES	ARE TO		
CONSIGNEE'S	NOTI	ICATIO		_	ERS INDS/	PITTSBURGH PA		· · · · · · · · · · · · · · · · · · ·		BE PREPAID OR STAM! "TO BE PR	, WRITE P HERE	PREPA	ID
	T				/HAZARD CLA		RIPTION OF A	ARTICLES, SPEC				CLASS	
PACKAGES NO. AND KIND	нм			(IF APPLIC	,	/ 2000.	MARKS & E	•			O CORRECTIONS	OR RATE	
		CORR	OSIVE SO	LID, NOS/	CORROSIVE A	MATERIAL/UN 1759/	OIL CRUDE C	OAL TAR	0				_
	-					NOS/ORM-E/NA 918			2	5			
· ·						RM-E/NA 9188 (NAPHTH			6				1
		NAPH	THALENE	(LESS THA	N 100# PACK	AGE)			C				
		RQ HA	ZARDOUS SI	JBSTANCE, L	IQUID, NOS/ORA	A-E/NA 9188 (CREOSOTE	/CREOSOTE CO	OAL TAR SOLUTION	1				
		TAR C	R PITCH,	COAL OR	PETROLEUM, I	PAVING, ROOFING			•				
		CRUD	E COAL T	AR					•				
		OIL, C	RUDE CO	AL TAR					€				
	<u> </u>	COAL	TAR DIST	ILLATE/FLA	MMABLE LIQ	UID/UN 1136/CRUD	E HEAVY SO	LVENT NAPHTH					
/O H/C	L		R, ELECTR										-
	ļ	-				NOS/ORM-E/NA 918		TE)/CREOSOTE					4
	<u> </u>				MMABLE LIQU		OATING, ASPHALT, AR BASE		q				4
	 				HALT, PITCH C				g				
					D/FLAMMABL	E LIQUID/NA 1133/	ROOFING C	EMENT, NOI	g				+-
	<u> </u>	4	ING CEM						9				+-
	├—	+				OR SHEATHING			0			ļ	+
·	 				OSITION OR I		ANILIVEDIDE / D	UTUALIC ANILYDDI					
						M-E/NA 9188 (PHTHALIC CLASS 8, CORROSIN		··-	0				+
	 		ALIC ANH		., SOLID, IMO	CLASS 8, CORROSIV	L MAILKIAL	, 0112214	- 2				+-
					AMARIE LIQUID/	NA 1263/COMPOUND, PA	AINT OR LACOU	IFR THINNING	<u>\</u>			<u> </u>	-
		 	, DRY, LU			1A 1200/ COM COMD, 17	AITT OR EACTO	ZIC TIME CONTROL	. 0				+-
	 	1	, 011, 20.		WOEKED	·-,			<u> </u>	-		<u> </u>	+
	1	BN	41938	38 BN	435027	GN 71517	SLSF 82	313		1			
		CN	7156	d NTD	75245	ND 75200 N	n 75333	GD0 05	1 4 0				
	1	GN			75345	NP 75300 N	P 75322	CBQ 85	140				
			<u> 75334</u>	4								<u>L</u>	
†C.O.D. \$		NF	′ I⊓ï	TO BE PAID BY	CONSIGNEE	PLACARDED	TENDE OR	RED		-	†FCT. WGT. FACTOR		
REMIT TO						RAIL		PLACARD-TRU	icx		(# / G)		
						†WEIGHED AT		BY		R	aceived		
						GROSS	RATED SHELL (GALS.)				ayment of the	
Subject to Section 7 of	Condition	s of applica	ble bill of lading.	if this shipment is	to be delivered to the	****	CAPACITY				e property descr		•
consignee without recor The carrier shall no	rse on the	consignor, the delivery of	ie consignor shall this shipment	sign the following without payme:	statement: it of freight and all	TARE	- SHELL OUTAGE			}	A ç	ent or Cashier	
		NDUSTRIE				ALLNCE.	+ DOME INNAGE						
of Consignor) Per		See	★ below			NET WT.	TOTAL	*			The signature h mount prepaid.)	ere acknowledge	es only th
he released or declare	ed value o	f the proper	ty. The agreed or	declared value of	specifically in writing the property is hereby			°F W			HARGES ADVAN	CED	
stated by the shipper to	o be not e	ceeding 170	r cents per pound	or each distribu	ion package."	PERMA 436 Si	AMENT POST-OFFICE EVENTH AVENUE - F	ADDRESS OF SHIPPER: PITTSBURGH, PA. 15219		١,	\$		
ebeled and are in prop	e above n	amed materic in for transpo	ils are properly d	lassified, described, to the applicable n	packaged, marked and equipations of the Depart-	†Shipper hereby certifies that this s	shipment is correctly der	scribed; correct weight					
KOPPERS HEDUST						is shows and is subject to verification and Inspection Bureau having jurisdict		ent with the Weighing	BN	RR			_AGEN1
PER ///	aly		eal			PER		PE	R				
	hipped a	gent next ab	ove is also intend	ed as execution of	Section 7.		······································					PLANT C	OPY

Signature above must appear in longhand.

IF HANDWRITTEN, PLEASE PRESS HARD

Data in this block fo	r plant use	only.		-		_								
IN	<u> </u>	A M			(RANDUM COPY OF		FRT. C	HECK NO. AN	TNUO	AGENTS NO) .	
b BEG.	Å	P M			•		OF LADING—SHOR		20050.10					
	<u> </u>	<u> </u>	T	his M	emorano	tum .	I-3153674-04	SHIPPERS (1111		SHIPPERS N		
ë END	À	M	is ·	an ackno e Oriain	owledgment that is a second	nat a Bill of Lading h	as been issued and is not icate, covering the property		51-50013	<u> </u>		⊣ KG	5537	75
OUT	A M	P M	no	smed her	rein, and is int	ended solely for filin	g or record.	l	EES ORDER NO. ONE			-		, 0
RECEIVED, subject to	the class	ifications	and lowfu	ully filed	tariffs in effec	t on the date of issue	of this Bill of Lading,	i IN	JALL		The fibre b	oxes and/or	the fibre bo	arrels,
FROM KO	PPERS I	NDUSTR	RIES, INC	<u>:</u> .		AT TERM	MMKKXX TERMINA	L #4	DATE2/6	/93	rums, pails ised for this ations set f	Shipment cor orth in the	the fibre ba for the paper form to the sy maker's certif and all other or National	pecifi- ficate
the property described b	elow, in ap	parent goo	d order, exc	ept as not	ed (contents and	condition of contents of	packages unknown), marked, consigned o	and destined as indicate	ed below, which said o	ompany (the	hereon (if o	iny required) f the Uniforn	and all other	er re- Motor
on its own road or its ow	n water lin	e, atherwise	to deliver to	o another o	carrier on the rou	re to said destination. It	the property under the contract) agrees to is mutually agreed, as to each carrier of ce to be performed hereunder shall be at	all or any of said prop	erty over all or any po	restination, if	shipper's im	print in lieu a	f stamp not a p by the Inter	part of
printed or written, herein o	contained, i	ncluding clas	sification bills	s of lading	conditions, which	are hereby agreed to by t	he shipper and accepted for himself and hi	s ossigns.						
CONSIGNED T					O ALUM	INUM CO					If the Shipmen by water, the b tale whether it	it moves between nw requires that is carrier's or shi	n two perts by a the bill of fadin pper's weight.	g shall
STREET ADDRE	:55				VER WA									SEE
DESTINATION NAME OF					VIII VIA	36660		CAG	OR VEH. IN. & NO.		CAR OR VEH.	SEAL NO.		
CARRIER			BN	RR				-						
ROUTE			BN	RR							F CHARGES	ARE TO		
CONSIGNEE'S	NOTIF	ICATIC	N ADD	RESS	KO	PPERS IND	S/PITTS PA				BE PREPAID OR STAM	P	REPAID	
PACKAGES		D	OT SH	IPPIN		/HAZARD CLA		PTION OF A	RTICLES, SP			IGHT	CLASS	Τ,
NO. AND KIND	нм			(IF	F APPLICA	ABLE)		MARKS & EX	CEPTIONS		, -	O CORRECTION	OR RATE	~
		CORF	OSIVE	SOLI	D, NOS/	CORROSIVE A	MATERIAL/UN 1759/C	IL CRUDE C	OAL TAR	0				
		RQ H	AZARD	OUS	SUBSTAN	ICE, LIQUID,	NOS/ORM-E/NA 918	8 (NAPHTHA	LENE)	•				
		RQ HA	ZARDO	us su	BSTANCE,	LIQUID, NOS/O	RM-E/NA 9188 (NAPHTHA	LENE)/CRUDE	NAPHTHALEN					
	<u> </u>					N 100# PACK								
							A-E/NA 9188 (CREOSOTE)/	CREOSOTE CO	AL TAR SOLUT					
	<u> </u>					PETROLEUM,	PAVING, ROOFING							
			E COA											
	 -	<u> </u>	CRUDE											-
<u> </u>						MMABLE LIQ	UID/UN 1136/CRUDE	HEAVY SOL	VENT NAPH					
9 H/C	<u> </u>		ER, ELE				100/001/5/11/010	. (6050607		<u> </u>				—
	├						NOS/ORM-E/NA 918 JID UN 1139/ ROOFING CO	B (CREOSO) ATING, ASPHALT, BASE	E)/CREOSO					+
					<u></u>	IALT, PITCH C		BASE		0				+
	 						E LIQUID/NA 1133/R	OOEING CE	MENT NO					+-
	-				NOI TI	D) I LAMMADI	L LIQUID/ NA 1133/ K	OOI II O CL	ME(41, 140)					+
	-					ROOFING	OR SHEATHING			4				+-
						OSITION OR				ď			· · · · · · · · · · · · · · · · · · ·	+-
			<u>_</u>				M-E/NA 9188 (PHTHALIC A	NHYDRIDE)/PH	ITHALIC ANHYI					+-
							CLASS 8, CORROSIVE			d				
			ALIC A			·				2				
		PAINT	RELATED	D MATE	RIAL/FLAN	MABLE LIQUID/I	NA 1263/COMPOUND, PAI	NT OR LACQUE	R THINNING	0				
		PAIN	T, DRY,	, LUM	P OR PO	WDERED				Q	9			
		СВО	8517	78	NP 7	5348 NE	75602 SLSF	182008	GN 71	578				
		SLS	F 82	2228	NP			IP 75383						
†C.O.D. \$		<u>.</u>		TC TC	BE PAID BY		PLACARDED	TENDER	ED			tFCT, WGT.		
REMIT TO			!		PPER	CONSIGNEE	RAIL	OR	PLACARI	TOUR		FACTOR (# / G)		•
KEMII (O							TWEIGHED AT	 ~	BY	SINUCK	R	eceived		
							GROSS	RATED						
Editor to Editor 7 of	Candition		-LI- 6/9 -4	1-41- 4	At		GROSS	SHELL (G CAPACITY	ALS.)			apply in prep ie property descri	ayment of the cl bed hereon,	harges on
Subject to Section 7 of consignee without recou The carrier shall no	irse on the	consignor,	the consigno	or shall sig	n the following	statement:	TARE	_ SHELL OUTAGE			1.		ent or Cashier	
ether lawful charges.		NDUSTR		w.	moor paymen	r er meight dad dit	ALLNCE.	DOME					III or Cosmer	
			★ belo	ow				INNAGE				he signature he mount prepaid.)	ere acknowledge	s only the
"Note: Where the rate the released or declare	is depen	dent on va	lue, shippe	ers are re-	quired to state	specifically in writing	NET WT.	TOTAL @ °I	, % F W		- +	HARGES ADVANC	CED	
stated by the shipper to	be not ex	ceeding 17	'O cents per	r pound fo	r each distribut	ion package."	PERMAN	L	ADDRESS OF SHIPP	ER:				
This is to certify that the labeled and are in prop	above no	med mater	ials are pro	perly dass	ified, described,	packaged, marked and roulations of the Depart-	†Shipper hereby certifies that this shi				[5			
KOPPERS INDUST					u _p pendine (1	-g-runum or me Deport-	is shows and is subject to verification and inspection Bureau having jurisdiction	according to agreemen		Е	N RR			_AGENT
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★ Signature of S	hipper's a	ant next o	Save is also	intended :	as execution of	Section 7.	1 · en					, , , , , , , , , , , , , , , , , , , 	PLANT C	

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMIREC 800-424-9300 DAY OR NIGHT.

EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, <u>PLEASE PRESS HARD</u>

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EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, <u>PLEASE PRESS HARD</u>

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RECEIVED, subject to	the class	ifications	and lawfully file	ed tariffs in effec	t on the date of issue	of this Bill of Lading,			† The drums	fibre boxes and/or s, pails or tubs and/	the fibre barrels, or the paper bags form to the specifi- maker's certificate and all other re- or Notional Motor
			IES, INC.			MINAL # 4		ATE 2/7/	93 cation	on (if any required)	maker's certificate and all other re-
word company being und	enstood the	oughout this	contract as meanin	g any person or cor	poration in possession of t	ackages unknown), marked, consigned - he property under the contract) agrees	to carry to its usual place of	delivery at said des	pany (the guirer ination, if Freigh	ments of the Uniform of Classifications.	ar National Motor
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REMIT TO				SHIPPER	CONSIGNEE	RAIL	OR	PLACARD-1		FACTOR (# / G)	
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Subject to Section 7 of	Condition	s of goalic	able bill of lading	if this shipment is	to be delivered to the		SHELL (GALS. CAPACITY	.)		the property descri	ayment of the charges o bed hereon.
consignee without recou The carrier shall no	irse on the	consignor,	the consignor shall	sign the following	statement:	TARE	- SHELL OUTAGE				ent or Cashier
other lawful charges.		-	IES, INC.	, ,		ALLNCE.	+ DOME			Per	
		_	★ below			NET WT.	TOTAL	<u>*</u>		(The signature hamount prepaid.)	ere acknowledges only th
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EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, PLEASE PRESS HARD

ROUTE ENRR BOTH ENRR BOTH CONSIGNES NOTIFICATION ADDRESS ROPPERS/PTTTSBURGH PA PREPAID CONSIGNES NOTIFICATION ADDRESS MA DOT SHIPPING NAME/HAZARD CLASS CORROSVE SOLID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE COAL TAR ROHAZARDOUS SUBSTANCE, LIQUID, NOS/CORROSVE MATERIAL/UN 1759/OLIC ROUDE NOS/CORROSVE MATERIAL/	Data in this block for pl	lant use only.			a comment of the comment of the comment		
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REOM KOPPES NOUTRIES, INC. AT TERMINAL # 4 DATE 2/7/93 The provided file of the provided of		A	<u>^_</u> _		NONE		1
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FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

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RE	MIT TO					PPER				RAIL		OR		PLACARD-TRU	ick _		(# / G)		
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	bject to Section 7 of								GRO		1	APACITY	ALS.)				to apply in p the property de	epayment of the scribed hereon.	charges on
The	isignee without recou e carrier shall net er lawful charges.								TAR	<u> </u>		SHELL OUTAGE					4	Agent or Cashier	
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the	ote: Where the rate released or declare	d value of	dent on va f the prope	lue, shipp rty. The ac	ers are rec	clared valu	e of the	property is hereby	1 "	r w T.	10 @	TAL *1	F	% W			CHARGES ADV		
	ted by the shipper to								_		PERMANENT 436 SEVENTI	POST-OFFICE A AVENUE - PI	ADDRESS OF Itsburgh, I	F SHIPPER: PA. 15219			s		·
l ab	is to certify that the eled and are in prop nt of Transportation.	above no er canditio	omed mater in for transp	ials are pr portation a	operly class ccording to	ified, descri the applical	bed, pod ple regula	raged, marked and tions of the Depart	- I Laure	pper hereby certifies that own and is subject to ver					BN	RR			
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PE			7	4	al,				PER	!				PE	R				
	★ Signature of Signature abo				u intended	as executio	m of Sect	ion 7.										PLANT C	OPY.

KI-70 REV. 1 20M 1/90

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

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	TRUCK IN	Å	, A				RANDUM COPY OF			FRT. CHECK NO	. AMOUN	T AGENTS N	0.	
ķ	BEG.	Å	P M		,		OF LADING—SHOR		S ORDER NO.		\$	SHIPPERS !	10.	
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	OUT	Å M	P	the Origi named h	nal Bill of Lading eroin, and is inte), ner a copy or dupl inded solely for filin	icate, covering the property g or record.	CONSIG	NEES ORDER N	Ю.		\\u	3336	ΣТ
ŔΕ	CEIVED, subject to	the clas	sifications	and lawfully file	ed tariffs in effect	on the date of issue	of this Bill of Lading,		NONE		† The	fibre boxes and/o	the fibre ba	rrels,
				RIES, INC.		1	RMINAL # 4		DATE	2/7/93	drums used f	fibre boxes and/o, pails or tubs and or this Shipment co is set farth in the in (if any required nents of the Uniform t Classifications.	/or the paper nform to the sp maker's certif	bags ecifi- icate
he ror	property described by	rlow, in ap	parent good	d order, except as n	oted (contents and c	andition of contents of	packages unknown), marked, consigned on the property under the contract) agrees t	nd destined as indi	coted below which	h said company (th	thereo	n (if any required nents of the Uniforr) and all othe n or National I	r re- Mator
~	te to destination, and	as to each	e, omerwise i party at an	t to deliver to anothe My time interested in	or carrier on the route all or any of said or	e to said destination. It : rocests, that every servi	is mutually agreed, as to each carrier of se to be performed hereunder shall be s	all or any of said p	roperty over all or	r any portion of sai	d tShip	per's imprint in lieu of f lading approved erce Commission.	f stamp not a p	art of
orin	nted or written, herein o	ontained, i	nduding dass	sification bills of ladin	ng conditions, which as	re hereby agreed to by it	ne shipper and accepted for himself and hi	s assigns.						
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	ESTINATION				UVER WA					· · · · · · · · · · · · · · · · · · ·				SEE
N	AME OF							Ċ	CAR OR VEH. IN.	& NO.	CARC	OR VEH. SEAL NO.	4	
C	ARRIER			BN RR										
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C	ONSIGNEE'S	NOTIF					PITTSBURGH PA				OR TO	BE PREPAID"	PREPAII	<u>D</u>
	PACKAGES O. AND KIND	нм	D		NG NAME/ IF APPLICA	HAZARD CLA	,	PTION OF MARKS & E			i	WEIGHT	CLASS OR	✓
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+,	C.O.D. \$	l	l		O BE PAID BY		PLACARDED	TEND	ERED			tFCT, WGT.	L	
•					HIPPER	CONSIGNEE	RAIL	OR		M + C + RO TRUCK		FACTOR (# / G)		
KE	MIT TO						†WEIGHED AT	•_		BY		Received		
							GROSS	RATED SHELL	(GALS.)			S	ayment of the ch	
	bject to Section 7 of						TARE	CAPACITY				the property descri	bed hereon.	-
The	rsignee without recou e carrier shall net ter lawful charges.						IARE	- SHELL OUTAGE				 -l	ent or Cashier	
, :	Signature KO	PERS II	NDUSTRI				ALLNCE.	+ DOME INNAGE				(The signature h	ere acknowledges	only the
'Ne	ote: Where the rate	is depen	dent on val				NET WT.	TOTAL @	°F	% W		amount prepaid.)		
he	released or declare ted by the shipper to	d value o	f the proper	rty. The agreed or o	declared value of th	ne property is hereby	PERMAN	ENT POST-OFFIC	E ADDRESS OF	SHIPPER:		CHARGES ADVAN	LEO	
?his	s is to certify that the	above m	amed materi	ials are properly do	suified, described, p	ackaged, marked and	436 SEV	ENTH AVENUE -	PITTSBURGH, P	A. 15219		<u> </u>		
met do	eled and are in prop at of Transportation.	er conditio	n for transp	partation occording to	s the applicable rea	ulations of the Depart-	†Shipper hereby certifies that this shi is shown and is subject to verification and inspection Bureau having jurisdiction	according to agree			BN RE	·		AGEN
	OPPERSTNDUST	9125, IN	C.,-Shipp	7/00	7				,	959				
rE	* Signature of	hipper's/a	gent next at	bove is also intende	ud as execution of S	ection 7.	PER			PER			PLANT CO)PY
	P1													~ ' '

Signature above must appear in longhand.

KI-70 REV. 1 20M 1/90

FOR CHEMICAL EMERGENCIES, SPILL, LEAK, FIRE OR EXPOSURE CALL CHEMTREC 800-424-9300 DAY OR NIGHT.

EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, PLEASE PRESS HARD

_	Data in this black for	plant use o	nły.											
_	TRUCK IN	Å	P M		(RANDUM COPY OF		FRT. C	HECK NO. A	MOUNT	AGENTS NO). 	
i	BEG.	A M			`~		OF LADING—SHORT		<u> </u>	5				
Ŷ				TH	nis Memorand		N-3153674-02	SHIPPERS C		20111		SHIPPERS NO		
Ğ	END	M.	A A	is a	m acknowledgment th	at a Bill of Lorling h	us been issued and is not		661-5001	32XX		_ KG	5537	7 3
	OUT	A .	P		Original Bill of Lading med herein, and is into			1	ES ORDER NO.	-			5531	3
_		M							NONE					
		the classi	fications	and lawful	ly filed tariffs in effec	l l			1		†The fibre drums, pai	boxes and/or is or tubs and/ is Shipment con- forth in the r any required) of the Uniform sifications.	the fibre bar or the paper	rreis, bags
-				IES, INC.			INAL #4		DATE() 2 / 0	6/93	used for thi	forth in the	maker's certifi	icate
nor	а сомрану веля эпс	aussaad setel	ugnout mis	contract as a	neaning any person or corp	oration in possession of	packages unknown), marked, consigned a the property under the contract) agrees to	corry to its usual place	e of delivery at said de	mpany (the	guirements	of the Uniform	or National A	Motor
m : ovi	ns own road or its own he to destination, and	a water line, as to each s	otherwise party at an	to deliver to ly fime interes	another carrier on the rout sted in all or any of wid o	e to said destination. It is	s mutually agreed, as to each carrier of	all or any of said prope			†Shipper's	imprint in lieu of ling approved	stamp not a po	art of
rin	ted or written, herein c	ontained, inc	luding das	sification bills o	of lading conditions, which a	re hereby agreed to by H	ne shipper and accepted for himself and his	assigns.	ins nor promoned by in	w, w	Commerce (Commission.		
20	ONSIGNED TO	2			ALCO ALUM						"If the Shipm by water, the	ent moves between law requires that	the bill of lading	carrier g shall
ST	REET ADDRES	SS			SIGNMENT						state whether	r it is carrier's or ship	pper's weight.	SEE
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	AME OF							CAR	OR VEH. IN. & NO.		CAR OR VE	1. SEAL NO.		
_	ARRIER			BN	·									
_	DUTE			BN							IF CHARGI BE PREPA	ID, WRITE		
<u> </u>	ONSIGNEE'S	NOTIFI				S INDUST	RIES/PITTSBURGE	I PA			OR STA	ID, WRITE	REPAID	
	PACKAGES	нм	D	OT SHII	PPING NAME/	HAZARD CLA	ASS / DESCRI	PTION OF A			4	/EIGHT	CLÁSS OR	1
N	O. AND KIND				(IF APPLICA			MARKS & EX				T TO CORRECTIONS	RATE	Ľ
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_			RQ H	AZARDO	OUS SUBSTAN	CE, LIQUID, I	NOS/ORM-E/NA 9188	(NAPHTHA	LENE)	•	3			
			RQ HA	ZARDOU	JS SUBSTANCE, L	IQUID, NOS/OI	RM-E/NA 9188 (NAPHTHA	LENE)/CRUDE	NAPHTHALENE		3			
			NAPH	THALE	NE (LESS THAN	100# PACK	AGE)				3			
			RQ HA	ZARDOU	S SUBSTANCE, LIC	QUID, NOS/ORA	A-E/NA 9188 (CREOSOTE)/	CREOSOTE CO.	AL TAR SOLUTION	ON (3			
			TAR C	OR PITC	H, COAL OR P	ETROLEUM,	PAVING, ROOFING				3			
			CRUD	E COA	L TAR						D			
			OIL, C	RUDE	COAL TAR					(8			
			COAL	TAR D	ISTILLATE/FLA	MMABLE LIQ	UID/UN 1136/CRUDE	HEAVY SOL	VENT NAPH	THA	9			
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			RQ H	AZARDO	OUS SUBSTAN	CE, LIQUID,	NOS/ORM-E/NA 9188	(CREOSOT	E)/CREOSO	TE OIL	D			
_							JID UN 1139/ ROOFING COA				D			\top
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					EMENT, NOI	<u></u>					Ď			T
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							CLASS 8, CORROSIVE				Ð			
_					NHYDRIDE		.,				1			T
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t	C.O.D. \$	·		Ī	TO BE PAID BY		PLACARDED	TENDER	ED			†FCT. WGT.		
PF	MIT TO				SHIPPER	CONSIGNEE	RAIL	OR	PLACARD	TRUCK		FACTOR (# / G)		
-							TWEIGHED AT		BY			Received		
							GROSS	RATED				s		
					- , 		GROSS		ALS.)			to apply in prepo the property describ	syment of the ch bed hereon.	sarges on
con	isignee without recour	se on the c	onsignor, 1	the consignor	ding, if this shipment is shall sign the following s	latement:	TARE	SHELL	-					
	ser lawful charges.		•	•	sent without payment	of freight and all	ALINCE	OUTAGE				Age Per -	ent or Cashier	
		PERS IN		ES, INC. ★ <i>belo</i>			ALINCE.	+ DOME + INNAGE			,	(The signature he	re acknowledges	s only the
<u>:</u>					s are required to state :	pecifically in writing	NET WT.	TOTAL @ °F	* *	****		amount prepaid.)		 -
he	released or declare	d value of 1	the proper	rty. The agre	ed or declared value of t pound for each distribute	he property is hereby		L <u> </u>				CHARGES ADVANC	ŒD.	
_							PERMAN 436 SEV	ENT POST-OFFICE A ENTH AVENUE - PIT	ITSBURGH, PA. 152	19		\$		
obe	i is to certify that the eled and are in prope at of Transportation.	above nan	ned materi for transp	ials are propo ortation accor	erly classified, described, proving to the applicable rep	ockaged, marked and juicitions of the Depart-	†Shipper hereby certifies that this ship is shown and is subject to verification							
	OPPERS INDUSTI	IJES, INC	Sbip;	oet Z	_		and inspection Bureau having jurisdiction			BN	RR			_AGENT
	R M	au	1	11 1	al		PER			PER				
•	, , , ,	ipper's and	ent next at	bave is also i	ntended as execution of :	ection 7.							PLANT CO	OPY

EACH B/L MUST BE SIGNED IN LONGHAND

FORM MAY BE TYPED OR HANDWRITTEN IF HANDWRITTEN, <u>PLEASE PRESS HARD</u>

Data in this block fo	r plant use or	ntv.										
TRUCK IN	Â	P M			RANDUM COPY OF S		FRT.	CHECK NO.	AMOUNT	AGENTS NO).	-
BEG.	A M	<u>"</u>	`~.	BILL	OF LADING—SHORT	SHIPPERS C	DEDER NO	!	\$ 	SHIPPERS N		
END	Å	P M	This Memorand is an acknowledgment the the Original Bill of Loding,	it a Bill of Lading he nor a copy or dupli	icate, covering the property		661-500	132XX		1	553]	7 Д
OUT	Å	A A	named herein, and is inter	nded solely for filing	g or record.	CONSIGNA		,				י ד
RECEIVED, subject to	the classi	fications and k	awfully filed tariffs in effect	on the date of issue	of this Bill of Lading,	<u> </u>	NONE		†The fibre	boxes and/or	the fibre bar	rels.
ROM KO	PPERS IN	IDUSTRIES, I	INC.	AT TERM	TNAT. # 4		DATE02/	06/93	used for this	Shipment con forth in the	the fibre bar for the paper form to the sp maker's certifi and all other or National N	ecifi- icate
ne property described b ord company being und	elow, in app Serstood thro	arent good order,	, except as noted (contents and co	endition of contents of c	ockages unknown), marked, consigned as the property under the contract) agrees to	d destined as indicate	d below, which said	company (the	thereon (if guirements	any required) of the Uniform	and all other or National N	r re- Aotor
oute to destination, and	os to each p	omerwise to delic porty at any time	interested in all or any of said on	to said destination. It is	s mutually agreed, as to each carrier of a	ill or any of said prope	erty over all or ony o		†Shipper's in	nprint in lieu of	stamp not a po by the inters	ort of
ramed or written, herein o	contained, inc	duding classification	n bills of lading conditions, which are	hereby agreed to by th	e shipper and accepted for himself and his	assigns.						
CONSIGNED T			ANALCO ALUMI						by water, the	nt moves betwee law requires that t is carrier's or ship	n two perts by a c the bill of lading oper's weight.	shall
STREET ADDRE	:55		CONSIGNMENT #									SEE
NAME OF CARRIER			ANCOUVER WA	98860		CAR	OR VEH. IN. & NO	D .	CAR OR VEH.	SEAL NO.		
OUTE			BN RR						IF CHARGE	ARE TO		
CONSIGNEE'S	NOTIFIC			FRS INDS	/PITTSBURGH PA				BE PREPAIL OR STAM	P HERE P	REPAID	
PACKAGES			SHIPPING NAME/I			PTION OF A	RTICLES, SF	PECIAL	1	EIGHT	CLASS	
NO. AND KIND	HM		(IF APPLICAL		,	AARKS & EX	•		1	TO CORRECTION	OR RATE	-
		CORROSI	VE SOLID, NOS/C	ORROSIVE A	AATERIAL/UN 1759/O	IL CRUDE CO	OAL TAR		0		WY 1. C	 -
	$\overline{}$				NOS/ORM-E/NA 9188				Ž			
		RQ HAZARI	DOUS SUBSTANCE, LI	QUID, NOS/OF	ZM-E/NA 9188 (NAPHTHAL	ENE)/CRUDE	NAPHTHALEN		Ø			
		NAPHTHA	LENE (LESS THAN	100# PACK	AGE)			(0			
		RQ HAZARD	OUS SUBSTANCE, LIC	UID, NOS/ORA	N-E/NA 9188 (CREOSOTE)/(CREOSOTE CO.	AL TAR SOLUT		9			
		TAR OR P	ITCH, COAL OR PE	ETROLEUM, I	PAVING, ROOFING				6			
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			DE COAL TAR		,				<u> </u>			↓
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9 H/C			LECTRODE						@			—
					NOS/ORM-E/NA 9188		E)/CREOSC					
					JID UN 1139/ ROOFING COA	IASE			(2)			┼─
			COATING ASPHA			OCENIC CE	MENIT NO		(B)			+-
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		PAINT RELA	TED MATERIAL/FLAMA	MABLE LIQUID/N	NA 1263/COMPOUND, PAIN	T OR LACQUE	R THINNING		1			
		PAINT, DI	RY, LUMP OR POW	/DERED					Ø			
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	1 1		182067		~	419371	Ĺ					
		CB-Q	85159	BN 419		75619						
C.O.D. \$			JO BE PAID BY	CONSIGNEE	PLACARDED	TENDER	ED		1	tFCT. WGT.		<u></u>
REMIT TO			SHIPPER [COMBIONEE	RAIL	OR	PLACAR	RD-TRUCK		FACTOR (# / G)		
			· •		†WEIGHED AT		BY			Received		
whiert to Section 7 of	Conditions	of continuts bill	of lading, if this shipment is to		GROSS	RATED SHELL (GA CAPACITY	ALS.)			a pply in preporte property describ	syment of the cho	arges an
onsignee without recou	irse on the co	onsignar, the con-	signor shall sign the following sto shipment without payment	stement:	TARE	- SHELL OUTAGE			-		ent or Cashier	
ther lawful charges.		DUSTRIES, IN		or meight and all	ALLNCE.	DOME				Per		
		See ★ b				INNAGE	<u></u>			The signature he	re acknowledges	only the
Note: Where the rate	is depende	ent on value, sh	ippers are required to state sp agreed or declared value of th	ecifically in writing	NET WT.	© °F	: % W	•	F	CHARGES ADVANC	ŒD.	
			s per pound for each distribution		PERMANI	INT POST-OFFICE A	DDRESS OF SHIPE	PER:				
his is to certify that the	s above nam	ned materials are	properly classified, described, po	ockaged, marked and	436 SEVE †Shipper hereby certifies that this ship	NTH AVENUE - PIT		· · · · · · · · · · · · · · · · · · ·		<u>\$</u>		
ent of Transportation.			according to the applicable regu	elations of the Depart-	is shown and is subject to verification of and Inspection Bureau having jurisdiction.	eccording to agreemen		BN	KK			AGENT
OPPERS INDUST	RIES, INC	nipper,						DED			<u>-</u>	
* Signature of	rione/s and	ort nevt obove is	also intended as execution of S-		PER			PER				

Signature of Shipper's agent next above is also intended as execution of Section 7.

PLANT COPY

1 11 1

SEAPORT MARINE SURVEYS, INC.

Capt. Pater J. Mortison. Poter Braums.

84 . 48 . 201 N.H. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463 Pex: (206) 574 - 7284

DRAFT DISITACEMENT SURVEY

VESSEL: REQUEST OF:	AMANOA Kecres	<u>EMUS</u>	V LO	oyage No.: DCATION:	Benen 411	e de la comunicación
COMMODITY:	PENOIL	Pircy	-			
		INITIAL SURV	(Time	c	Think Chimbins	
48.4.0713.				r	INAL SURVEY	
DATE:		2/5/5			2/8/93	
TIME:		0100	PER PER SAND STATE AND ADDRESS.	•	0700	as the graph of the same of
DISFLACEMENT						
Draft Forward:		7.70			2.395	
Draft Aft:		881		~	5.92	
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Kerr Steamship Company, Inc.

Atlanta
Baltimore
Boston
Charleston
Chicago
Cleveland
Coos Bay
Cranford, NJ
Dallas
Detroit
Galveston
Hailfax N.S.
Houston
Jacksonville
Long Beach
Memphis
Miami, FL
Mobile
Montreal
New Orleans
New York
Norfolk
Philadelphia
Portland, OR
San Francisco
Savannah
Seattle
Tampa

Toronto Vancouver, B.C. Wilmington, N.C. 12th Avenue Building, Suite 201 1133 SouthWest Market Street Portland, Oregon 97201

Cable Address "KERRLINE"

Telex RCA 277303 360818

Telephone (503) 220-2500

FAX (503) 220-2524

04 FEBRUARY 1993

MV AMANDA SMITS

PER RELEVANT CHARTER PARTY

GENTLEMEN;

I. MASTER OF THE ABOVE CAPTIONED VESSEL WISH TO ADVISE YOU THAT MY VESSEL IS ENTERED AT THE CUSTOM HOUSE AND IS IN ALL RESPECTS READY TO COMMENCE LOADING IN ACCORDANCE WITH ALL TERMS, CONDITIONS AND EXCEPTIONS OF THE RELATIVE CHARTER PARTY AS OF 200 HOURS 04 FEBRUARY 1993.

MASTER M/V AMANDA SMITS

ACCEPTED PER COMPANY	HOURS 05 F John of Hoppers J.	ebruary 1993 DATE	Discharge 8:00 An
ACCEPTED PER	HOURS	1993 DATE	
COMPANY			

KII SALES & ADMINISTRATION 1600

001 P. U9

JAN-93 FRI 17:32

KOPPERS MAYFIELD

FAX NO. 049874998

中国外轮代理公司大连分公司

CHINA OCEAN SHIPPING AGENCY DALIAN BRANCH

装卸时间事实记录

日期 7th,Jan.1993

LAYTIME STATEMENT OF FACTS

日期	盟 鴻 Day of	时 Hi	·s.	说明				
Date	the Week	超 From	止 To	Descrip tions				
5/1/1993	Tue.		0800	Arrived and anchored at Dalian anchorage, N/R tender				
		0800	1115	Awaiting Joint Inspection.				
			1115	Joint Inspection completed, N/H accepted.				
		1115	1430	Awaiting berth.				
		1430	1435	Filot boarded and heaved up anchor.				
:		1435	1530	Proceeding to herth.				
			1530	Berthed alongside.				
		1530	2210	Awaiting loading due to daytime.				
		2210	2400	Loading commenced and continued.				
6/1	Wed.	0000	0700	Loading continued.				
•		0700	2000	Loading suspended due to daytime and awaiting loads				
		2000	2400	Loading resumed and continued.				
5/4	Thu.	7000	0330	Loading continued.				
7/1	Inu.	1,000	}	1				
•			0330	Loading completed.				
				The end				
附生	1. 船舶登 Ship's	足战略		股船企口数 71.43 "There are one Hatches on board this ship				

E & Cap tain

天/ FE B

代理公司 As Agest

17:23

OPPERS

INTEROFFICE CORRESPONDENCE

To:

Amos Kamerer

From:

W. W. Turner

Location:

Portland

Location;

K - 1600

Subject:

Import Pitch Vessels

Date:

January 7, 1993

6 6 55: 7928 Darch Toro

- 1. Chinese Pitch - The Amanda Smits finished loading on January 7 with 6,037 metric tons. The quantity is in question at the moment, so we want to take a draft survey, and of course we will have the rail weights from the Vanalco material. For whatever reason, the Captain is estimating 24 days for sailing to Portland. (We are double checking to make sure he is not going to Portland, Maine.) Within a few days we should be receiving a more accurate ETA date and we can also get the agent involved.
- Japanese Pitch The Blue Cosmo has also been loaded with an ETA date of January 24. We should have a better date on 2. Monday. asth.

W. W. Turner

WWT:dlk

and and are the same of the control of the same and the same and the same and the same and the same are the same and the same are the s

cc: P. J. Thomas

K. J. Regel

FAX TRANSMISSION (Cover Sheet)

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P.O. Box 83838 . Portland, OR 97283-0838

2	
L	
Mark.	

DATE: Thu. /28/93

Total.

FROM:

Wanda McChesney

Railcar Coordinator-HBM/PBT (FAX No. 503-285-4467)

Here are 6 more can #'s To add To the 85 con #'s previously Botal To you Today. Total empties To be released TO UPRR for spoth will be 91.

SLSF 82234

GN 71507

GN 7/538

75311

SLSF 182067

> NP 75399

Phone: (603) 265-2990 • WATB: 1-800-659-2990 • FAX: (503) 285-4487 • TELEX: 62185550

Details on Mon. 2/1. for

KOPPERS

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

1/28/93

TO: PAUL THOMAS

THE BN RR HAS ADVISED US THEY ONLY HAVE 91 H/C IN OUR FLEET TO OFF LOAD THIS SHIP. JOHN FEELS WE NEED AT LEAST 95 CARS. MR. FOSTER OF THE BN ADVISES THERE ARE NO MORE AVAILABLE.

ANYTHING YOU CAN DO TO HELP US WOULD BE APPRECIATED.

THANK YOU,

MARY

JOHN A. OXFORD



HALL-BUCK MARINE, INC.

P.O. Box 83838 • Portland, OA 97283-0838



DATE: Thu. 1/28/93

Page ____ of ____ Total.

FROM:

FAX TRANSMISSION (Cover Sheet)

Wanda McChesney Railcar Coordinator-HBM/PBT (FAX No. 503-285-4467)

Transmeters / BARR - Umconver

Subject: mv "Amanda Snita" ETA Tues 2/2-late PM at The Ban

Following is list of 85 emptress for pensil pitals.

My Colculationis show appross. 110 (atlesset) needed for 5,700 mt.

Please arrange for more emptress, if necessary, and PAX railcan #5
To me.

BNRR has been advised of "tentative" 5 pot of 85 cars for Tues. 2/2-1700 with confirmation on mon. 2/1.

If you have any questions, please give me a coal.

Phone: (503) 285-2990 • WATS: 1-800-659-2990 • FAX: (503) 285-4467 • TELEX: 62185650

203 S82 4467

HALL-BUCK, PORTLAND, OR.

10:51 1661/82/10 202 582 4467

10.9

HALL-BUCK MARINS, INC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

SHIP NAKE	ANANDA SHITS			RAILCAR		PRINTED			
LOAD DATE				INVENTORY		01/28			
CUSTOKER						02:30 PM			
PRODUCT	PBNCIL PITCH								
٠					DATE	DATE	DATE	DATE	PROM
SHIPPER	REMARKS	CAR	NUMBER	WEIGHT	SHIPPRO	STVCBD	YARD	LOYDED	HOLD #
KOPPERS	VIABHRR/	BN	419371		01/28	LAKYARD OR			
KOPPERS	VIABBER/	BN	419375		01/28	LAKYARD OR			
KOPPBRS	V [ABNRR/	8 N	419377		01/28	LAKYARD OR			
KOPPERS	VIABNR8/	BR	419388		01/28	LAKYARD OR			
KOPPERS	VIABNER/	BN	419421		01/28	LAKYARD OR			
KOPPBRS	VIABNER/	B N	419495		01/28	LAKYARD OR			
KOPPBRS	VIABRRR/	BN	419524		01/28	LARTARD OR			
KQ Q B B R S	VIABARR/	BN	419561		01/28	LAKYARD OR			
KOPPBRS	VIABBRR/	BN	435027		01/28	LAKYARD OR			
KOPPERS	VIABHRR/	BN	435033		01/28	LAKYARD OR			
ROPPERS	VIABBRR/	8 18	435415		01/28	LAKYARD OR			
KOPPERS	VIABURR/	BN	435425		01/28	LAKYARD OR			
KOPPERS	V C A B N R R /	BN	435474		01/28	LAKYARO OR			
KOPPBRS .	VIABNER/	BN	438033		01/28	LAKYARD OR			
KOPPERS	VIABNRR/	BN	475013		01/28	LAKYARD OR			
KOPPERS	VIABNER/	8 N	475016	•	01/28	LAKYARD OR			
BOPPERS	VIABRRR/	CBQ	85103		01/28	LAKYARD OR			
KOPPBRS	VIABURR/	CBQ	85120		01/28	LAKYARD OR			
ROPPERS	VIABRRR/	CBQ	85140		01/28	LAKYARD OR			
K085888	VIABNER/	CBQ	85159		01/28	LAKYARD OR			
KOPPERS	VIABNRR/	CBQ	85163			LAKYARD OR			
KOPPERS	VIABBRR/	CBQ	85166		01/28	LAKYARD OR			
KOPPERS	VIABURR/	CBO	85178		01/28	LAKYARD OR			
KOPPBRS	VIABNER/	CBQ	85181		01/28	LAKYARD OR			
KOPPERS	VIABNER/	CBQ	85188		01/28	LAKYARD OR			
KQ	VEABARR/	CBQ	85194		01/28	LAKYARD OR			
KOPPERS	VIABNER/	CBQ	85197		01/28	LAKYARD OR			
ROPPERS	VIABNRR/	GN	71512		01/28	LAKYARD OR			
KOPPERS	VIABBRR/	GN	71517		01/28	LARYARD OR			
(0228RS	VIABBER/	GN	71518		01/28	LARYARD OR			
COPPERS	VIABNER/	g n	71523		01/28	LAKYARD OR			
COPPERS	VIABBRR/	GH.	71526		01/28	LAKYARD OR			
OPPERS	V C A B N R R /	GN	11529		01/28	LAKYARD OR			
OPPERS	VIABHRR/	G N	71536		01/28	LAKYARD OR			
OPPERS	VIABBRR/	g n	71548		01/28	LAKYARD OR			
COPPERS	VIABNER/	GN	71551		01/28	LAKYARD OR			
COPPERS	VIABNER/	G N	71554		01/28	LAKYARD OR			
RASSIO	/RRNBAIV	GR	71564		01/28	LAKYARD OR			
OPPERS	VIABNER/	G N	71573		01/28	LAKYARD OR			
0 P P B R S	VIABNER/	GN	71578		01/28	LAKYARO OR			
OPPERS	VIABURR/	G N	71991		01/28	LAKYARD OR			
022885	VIABNRR/	G H	11994		01/28	LAKYARD OR			
08888	VIABHRR/	GN	71998		01/28	LAKYARD OR			
QEERRS	VIABERR/	GN	71999		01/28	LAKTARD OR			
OPPBRS	VIABNER/	N P	75300		01/28	LARYARD OR			
OPPRAS	VTARRER/	N P	75301	LL 000 000		LARYARD OR	1000g 77'''	***	T 000 T 107 170
	<u> 2</u> 0.9		49	782 SØS	.90	PORTLAND, C	HALL-BUCK,	10:5	1 2661/82/10

HALL-BUCK MARINE, INC. / PORTLAND BULK TERMINAL VESSEL DISCHARGE REPORT

SHIP NAME	AMANDA SMITS			RAILCAR INVENTORY		PRINTED #1/28			
	KOPPERS					02:30 PM			
PRODUCT	PRHCIL PITCH								
					DATE	DATE	DATE	DATE	PRON
SHLPPER	RENARKS	CAR	NUMBER	WEIGHT	SHIP080	PLACED	YARD	LOADED	HOLD 4
KOPPBRS	VIABRRR/	n P	75303		01/28	LAKYARD OR			
K Q P E B R S	VIABNER/	N P	75305		01/28	LAKYARD OR			
KOPPERS	VIABRER/	N B	75308		01/28	LAKYARD OR		•	
KOPPERS	VIABNER/	N P	75320		01/28	LAKYARD OR			
ROPPERS	VIABRER/	NP	75322		01/28	LAKYARD OR			
K Q P P B R S	VIABERR/	N Đ	75330		01/28	LAKYARD OR			
KOPPERS	VIABNER/	ИP	75331		01/28	LAKYARD OR			
899 9 888	VIABNER/	N P	75334		01/28	LAKYARD OR			
ROPPERS	VIABHRR/	N P	75337		01/28	LAKYARD OR			
808888	VIABNER/	NP	75343		01/28	LAKYARO OR			
ZOPPERS	V LABERR /	NP	75345		01/28	LAKYARD OR			
ZOPPERS	VIABHER/	N P	75348		01/28	LAKYARD OR			
KOPPBRS	VIABNER/	N P	75350		01/28	LAKYARD OR			
KOPPERS	VIABERR/	ЯP	75383		01/28	LAKYARD OR			
KOPPERS	VIABNER/	NP	75391			LAKYARD OR			
KOPPERS	VIABHER/	N P	75392			LAKYARD OR			
KOPPERS_	VIABBER/	NP	75602		01/28	LAKYARO OR			
KOPPERS	VIABHRR!	n p	75619		01/28	LAKYARD OR			
ROPPERS	VIABRER/	SLSP	82017		01/28	LAKYARD OR			
KOPPERS	VIABNER/	SLSP	82164		01/28	LAKYARD OR			
KOPPBRS	VIABNRR/	SLSP	82228			LAKYARD OR			
KOPPBRS	VIABRER/	SLSP	82232		01/28	LAKYARD OR			
KOPPERS	VIABNRR/	SLSP	82235		01/28	LAKTARD OR			
ROPPERS	VIABBRR/	SLSF	82241		01/28	LAKYARD OR			
COPPERS	VIABNER/	SLSP	82257		01/28	LAKYARD OR			
COPERRS	VIABRER/	SLSP	82284		01/28	LAKYARD OR			
(OPPBks	VIABNER/	SLSP			01/28	LAKYARD OR			
(OPPERS	VIABBER/	SLSP	82313			LAKTARD OR			
(QPPERS	VIABNER/	SLSP	82316		01/28	LAKYARD OR			
COPPERS	VIABNER/	SLSP				LARYARD OR			
COPPERS	VIABRRR/	SLSP				LAKYARD OR			
(0228RS	VIABARR/	SLSF	182008			LAKYARD OR			
OPPERS	VIABRER/	SLSP			01/28	LAKYARD OR			
OPPERS	VIABURR/	SLSF	182052		01/28	LAKYARD OR			
OPPERS	VIABNER/	SLSP	182058		01/28	LAKYARD OR			
OPPERS	VIABBRR/	SLSP			01/28	LAKYARD OR			
OPPERS	VIABRER/	SLSP				LAKYARD OR			
OPPERS	VIABURR/	SLSP			01/28	LARYARD OR			
OPPERS	VIABHRR/	SLSP			01/28	LARYARD OR			
	•			•					

01/28/1993 14:02 HALL-BUCK, PORTLAND, OR. 503 285 4467 P.03

BEP TRANSPORT LTD, MELBOURNE.

PACSIMILE COVER SHEET

90 Colling Street Melbourne, Victoria 3000 GPO Box 86A Melbourne 3001 \ Australia.

Tel: 03 609-3333 Fax: 03 655-5402 Tlx: AA 30711

DATE: 28 JANUARY 93

TO

: KERR STEAMSHIP CO.

: ATTN: CAPT. JAMES HEWITT

CC : KOPPERS

JOHN LOWCOCK

FROM : BHP TRANSPORT MELBOURNE

: DAVID O'FLYNN

Post-It™ brand fax transmittal	memo 7671 # of pages >
ToBries Brusi.	From Jakn Offerd
comun Internet	co. Koffen
Dept.	Phone #
Fax# 25 3.4 426	Fax#

SUBJECT: AMANDA SMITS LOI

PLEASE FIND ATTACHED COPY OF THE LETTER OF INDEMNITY FOR THE AMANDA SMITS RELEASING THE CARGO WITH NON-PRESENTATION OF THE ORIGINAL BILL OF LADING.

THE OWNERS HAVE SIGHTED AND APPROVED THE LOI IF ORIGINAL B/L ARE NOT AVAILABLE ON ARRIVAL.

Pls Note: Original 201 has been signed and forwarded to prohess.

Jadvé.

REGARDS

If your call is unsuccessful or if you please call back as soon as possible.	do not receive all pages No of Pages:
SENT BY : JCR	TEL : 655 5591

LETTER OF INDEMNITY 25 January 1993

To: GENCHART

The Owners of the M.V.AMANDA-SMITS

Dear Sire

MVAMANDA SMITS

Goods

No. Description Marks 6083.9 MT HARD PITCH HARD PITCH IN BULK B/L NO. GENCHA - 11/92

The above goods were shipped on the above vessel by Messrs KOPPERS (AUST) but the relevant bills of lading have not yet arrived.

We hereby request you to deliver such goods to KOPPERS USA without production of the bills of lading.

In consideration of your complying with our above request. We hereby agree as follows:

- 1. To indemnify you, your servants and agenta and to hold all of you harmless in respect of any liability loss or damage of whatsoever nature which you may sustain by reason of delivering the goods to KOPPERS USA and delivering to a port other than that named in the original sets of Bills of Lading in accordance with our request.
- 2. In the event of any proceedings being commenced against you or any of your servants or agents in connection with the delivery of the goods as aforesaid to provide you or them from time to time with sufficient funds to defend the same.
- 3. If the vessel or any other vessel or property belonging to you should be arrested or detained or if the arrest or detention thereof should be threatened, to provide such bail or other security as may be required to prevent such arrest or detention or to secure the release of such ship or property and to indemnify you in respect of any loss, damage or expenses caused by such arrest or detention whether or not the same may be justified.
- 4. As soon as all original bills of lading for the above goods shall have arrived and/or come into our possession, to produce and deliver the same to you whereupon our liability hereunder shall cease.
- 5. The liability of each and every person under this indemnity shall be joint and several and shall not be conditional upon your proceeding first against any person, whether or not such person is party to or liable under this indemnity.
- This indemnity shall be construed in accordance with English law and each and every person liable under this indemnity shall at your request submit to the jurisdiction of the High Court of Justice of England. (This clause may be amended to show another jurisdiction where appropriate).

Yours faithfully

Yours faithfully

Burce L. Cousins
Chartering Manager - Handysize
BHP Transport Limited

Nigel Montgomery Senior Chartering Officer BHP Transport Limited Facsimile Transmission From Fax No. 67-4998

KOPPERS

Koppers Coal Tar Products Pty Limited

from overseas: 49

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

A.C.N. 003 947 699 Woodstock Street, Mayfield

Telephone: 674777 Facsimile: 674998

Country Code: 61

Telex: 28223

Date

28th January 1993

Attention Walt Turner/

John Oxford

Company Koppers Industries Inc.

Portland Oregon

Fax No

0011-1-503-2852831

From

John Lowcock

Subject

Discharge 'Amanda Smits'

Please find enclosed correspondence with BHP Transport and a copy of the LOI which has been set up for the 'Amanda Smits' owners to release the cargo for discharge if the original B/L cannot be presented when the vessel presents in Portland.

Please note the comment on the fax from BHP Transport that 'the owners have sighted and approved the LOI'

Regards,

John Lowcock

Encl:

JDL:MJM

Sent By: Yvonne Murphy Tel

Tel: (049) 674777 Total Pages:

FAX NO. 049674998

P. 02

JAN 28 '93 09:52AM BHP TRANSPORT MELB 61 3 6555402

P.1

BHP TRANSPORT LTD, Melbourne.

PACSIMILE COVER SHEET

90 Collins Street Melbourne, Victoria 3000 GPO Box 86A Melbourne 3001 \ Australia.

Tel: 03 609-3333 Fax: 03 655-5402 Tlx: AA 30711

DATE: 28 JANUARY 93

: KERR STEAMSHIP CO.

: ATTN: CAPT. JAMES HEWITT

CC : KOPPERS

JOHN LOWCOCK

FROM : BHP TRANSPORT MELBOURNE

DAVID O'FLYNN

SUBJECT: AMANDA SMITS LOI

PLEASE FIND ATTACHED COPY OF THE LETTER OF INDEMNITY FOR THE AMANDA SMITS RELEASING THE CARGO WITH NON-PRESENTATION OF THE ORIGINAL BILL OF LADING.

THE OWNERS HAVE SIGHTED AND APPROVED THE LOI IF ORIGINAL B/L ARE NOT AVAILABLE ON ARRIVAL.

pls Note: Original 201 has been signed and forwarded to prohess.

REGARDS

If your cal please call	l is unsucces: back as soon	sful or if you as possible.	do not receive all pages No of Pages: 2
SENT BY :_	JCR		TEL : 655 5591

FAX NO. 049674998

P. 03

JAN 28 '93 09:53AM BHP TRANSPORT MELB 61 3 6555402

P.2

Standard form of undertaking to be given by cargo owners in RETURN FOR DELIVERING CARGO WITHOUT PRODUCTION OF THE BILLS OF LADING

LETTER OF INDEMNITY

25 January 1993

To: GENCHART

The Owners of the M.V.AMANDA-SMITS

Dear Sirs

MVAMANDA SMITS

Goods

Marks

No. Description

6083.9 MT HARD PITCH HARD PITCH IN BULK B/L NO. GENCHA - 11/92

The above goods were shipped on the above vessel by Messrs KOPPERS (AUST) but the relevant bills of lading have not yet arrived.

We hereby request you to deliver such goods to KOPPERS USA without production of the bills of lading.

In consideration of your complying with our above request. We hereby agree as follows:

- 1. To indemnify you, your servants and agents and to hold all of you harmless in respect of any liability loss or damage of whatsoever nature which you may sustain by reason of delivering the goods to KOPPERS USA and delivering to a port other than that named in the original sets of Bills of Lading in accordance with our request.
- 2. In the event of any proceedings being commenced against you or any of your servants or agents in connection with the delivery of the goods as aforesaid to provide you or them from time to time with sufficient funds to defend the same.
- 3. If the vessel or any other vessel or property belonging to you should be arrested or detained or if the arrest or detention thereof should be threatened, to provide such bail or other security as may be required to prevent such arrest or detention or to secure the release of such ship or property and to indemnify you in respect of any loss, damage or expenses caused by such arrest or detention whether or not the same may be justified.
- 4. As soon as all original bills of lading for the above goods shall have arrived and/or come into our possession, to produce and deliver the same to you whereupon our liability hereunder shall cease.
- 5. The liability of each and every person under this indemnity shall be joint and so year and shall not be conditional upon your proceeding first against any person, whether or not such person is party to or liable under this indemnity.
- This indemnity shall be construed in accordance with English law and each and every personliable under this indemnity shall at your request submit to the jurisdiction of the High Court of Justice of England. (This clause may be amended to show another jurisdiction where appropriate).

Yours faithfully

Yours faithfully

Burce L. Cousins Chartering Manager - Handysize BHP Transport Limited Nigel Montgomery Senior Chartering Officer BHP Transport Limited

KOPPE

A.C.N. 003 947 699 Woodstock Street, Mayfield

Telephone: 674777

Facsimile: 674998

Country Code: 61

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from overseas : 49

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

Facsimile Transmission From Fax No. 67-4998

Date

28th January 1993

Attention Walt Turner/

John Oxford

Company Koppers Industries Inc.

Portland Oregon

Fax No

0011-1-503-2852831

From

John Lowcock

Subject

Discharge 'Amanda Smits'

Please find enclosed correspondence with BHP Transport and a copy of the LOI which has been set up for the 'Amanda Smits' owners to release the cargo for discharge if the original B/L cannot be presented when the vessel presents in Portland.

Please note the comment on the fax from BHP Transport that 'the owners have sighted and approved the LOI'

Regards,

John Lowcock

Encl:

JDL:MJM

Sent By:

Yvonne Murphy

Tel: (049) 674777 Total Pages: 3

aa.

KOPPERS

Facsimile Transmission
From Fax Nº. 67 4998

Date: outtle Jan 93.

Attention: Walter Turner

Company: K11

Koppers Coal Tar Products Pty Limited A.C.N. 003 947 639 Woodslock Street Ma. 4-14

Woodstock Street, Mayfield P.O. Box 23, Mayfield, N.S.W. 2304

Telephone: 674777 Facsimile: 674998 Country Code: 61

Area Code - within Australia: 049

from overseas : 49

Telex: 28223

... a. Fax Nº :: 0011-1412.22) 2202

From: W.K. Clan

SUBJECT: Documentation for 'Amanda Smits'

Dear Walter,

Our bank has just received the documents from China for the subject shipment. Besides the errors we found on those documents, we do not have enough time to covere these documents to Myers. Please transmit the copies to them for us. We do not have their fox number, Othersise, we'd have sent them for here.

To enable the unleading at Portland without delay oring to the absence of the original B/L, as the shipment arride on a 9th Jan. We have arraped to have a letter of indemnity issued to the master of the worsel through the hipping company.

the same of the second

I will be in China for two weeks from tomorrow.

Repards.

JAN 25 1993

in my dellane

13:28

KII SALES & ADMINISTRATION 1600

A.C.N. 003 947 699

Telephone: 674777

Facsimile: 674998 Country Code: 61

Telex: 28223

Woodstock Street, Mayfield

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

Koppers Coal Tar Products Pty Limited

from overseas: 49

*3*02

04**9674**998

22-JAN-93 FRI 17:23

KOPPERS MAYFIELD

FAX NO. 049674998

P. 01

Facsimile Transmission From Facs Nº, 67 4998

Date:

22nd January, 1993

Attention:

Walter Turner

Company:

Koppers industries inc.

Facs No.:

0011 1 412 227 2202

From:

J. Fitter

SUBJECT:

RE: SHIPPPING DOCUMENTS FOR CHINESE PITCH PER 'AMANDA SMITS"

We have forwarded copies of the shipping documents re Hard Pitch ex Dalian, China. There has been a delay with the orginal documents with the Bank.

We will courier the Original Documents to you by DHL as soon as we have them and also the Original Bill of Lading and copy of invoice to Bill Boyd - Myers Group (US, Inc).

Hoping this has not inconvienced you but this problem is out of our hands.

The Shipping Documents are as follow:

commercial Invoice
Certificate Of Quantity
Packing List
Certificate of Quality
Inspection Certificate of Hold
Certificate of Origin
Bill of Lading

Please Note: Certificate of Quality - is incorrect - We have requested this

to be amended.

We do not have a fax Number for Myers Group (US, Inc) would you mind faxing Bill Boyd a copy of the Bill of Lading and the commercial invoice.

Thanking You Kind regards,

Telephone: (049) 67 4777

Total Pages: 10

Sent By:

Y.Muprhy

JAN 2 2 1993

01/22/93

13:28

KII SALES & ADMINISTRATION 1600 FAX NO. 049674998 003

P. 02

22-JAN-93 FRI 17:24

KOPPERS MAYFIELD

KOPPERS COAL TAR PRODUCTS PTY LTD

A.C.N. 003 947 699 Woodstock Street, Mayfield .N.S.W.

P.O. Box 23,

Mayfield, N.S.W. 2304

Australia.

Telephone: 61 49 674777

Fax: 61 49 674998

INVOICE NO:

5658

DATE:

22nd January, 1993

GOODS:

Hard Pitch

SHIPPED PER:

"AMANDA SMITS"

LOADING:

Ex Dallan, China on or about 7th January,1993

DISCHARGE:

Portland (Oregon) USA

FOR ACCOUNT & RISK OF

Koppers Industries Incorporated

1750 Koppers Building Pittsburgh, Pa. 15219

USA

ORDER NO.

OM3-1670-2

QUANTITY & DESCRIPTION

UNIT PRICE
USD/METRIC TONNE

FOB PORTLAND USD

6083.90 M/T Hard Pitch Add Ocean Freight



SPECIFICATIONS

Mettler Softening Point:

Fractional Distillation:

Quinoline Insoluble:

Moisture:

108 C Min. to 113 C Max. (ASTM D3104)

4% Max. Prior to 360 C (ASTM D2569)

3.5 Min to 8.0 Max. (ASTM D2318)

0.5% Maximum

PACKING:

PAYMENT:

In Bulk

30 Days After Receipt of Goods to our bank account as follows:

Commonwealth Bank of Australia

Maitland Road,

Mayfield.N.S.W. AUSTRALIA

FOR AND ON BEHALF OF COAL TAR PRODUCTS PTY LTD

01/22/93 13:29

KII SALES & ADMINISTRATION 1600

004 p 0

P. 08

22-JAN-93 FRI 17:31

KOPPERS MAYFIELD

FAX NO. 048874998
BILL OF LADING

9/L 40

. ANSMAN IRON & STEEL COMPLEY IMPERORS

TO BE USED WITH CHARTER PART'ES

GENCHA-11/92

CERPORATION

Reference No.

Canaignes

TO SHIPPER'S ORDER

GOPT

Notity Address

PARTY KOPPERS COAL TAR PRODUCTS FTY. LIMITED, WOODSTOCK STREET, MAYFIELD, NGW, AUSTRALIA

AMANDA SMITS

BALLAN CHINA

Port of glacharge

PORTLAND (OREGON), USA.

Shipper's description of goods

dross weignt

S/M

IN BULK

HOTES CRAH

6083.900 NT

SALL IL HEIGH

FREIGHT PAYABLE AT DESTINATION

(of which

on deak at Shipper's risk; the Carrier not

being feeponable for loss or demage howspever arising)

Received on account of freights

are the control of th

me used for loading hours

SHIPPED at the Part of Loading in apperent good order and condition on board the Vessel for carriage to the Part of Discharge or so near thereto so she may safety get the goods specified above.

Weight, measure, quality, quantity, condition, dontains and value un-

IN WITNESS whereof the Master or Agent of the said Vassel has signed the number at fills of Lading Indicated below all of this tenor and date, any one of which being socionalished the others shall be void.

FOR DONDITIONS OF CARRIAGE SEE CVERLEAP

Meight payable et

Place and date of laste

DALIAN 07 JAN 1993

Number of original Sa/L

THREE

Signature

中国外轮代理公司大连分公司 GIDNA SOEMI SHIPPING ASENCY BALIAN SEANCH

母春春川

ited and sold by 3. Knudten Bogliphkeri A/S, \$6 Toldbodgade, DK-1853 Cobennegen K, idsa +63 23 81 184 - whonly of The Beltd and international Matitima Conference +CO), Codennagen, 412 227 2202

13:30

KII SALES & ADMINISTRATION 1600

201 P. U9

JAN-93 FRI 17:32

KOPPERS MAYFIELD

FAX NO. 049874998

中国外轮代理公司大连分公司

CHINA OCEAN SHIPPING AGENCY DALIAN BRANCH

装卸时间事实记录

日期 7th,Jan.1993

LAYTIME STATEMENT OF FACTS

Day of the Week From To Descriptions Descriptions Descriptions Descriptions
O800 1115 Awaiting Joint Inspection. 1115 Joint Inspection completed, N/R accepted. 1115 1430 Awaiting berth.
1115 Joint Inspection completed, N/R accepted. 1115 1430 Awaiting berth.
1115 1430 Awaiting berth.
1430 1435 Pilot boarded and heaved up anchor.
1 1450 1 1455 (S S MA DAME AND MALLE AND MINERALE
1435 1530 Proceeding to herth.
1530 Berthed alongside.
1530 2210 Awaiting loading due to daytime.
2210 2400 Loading commenced and continued.
/1 Wed. 0000 0700 Loading continued.
0700 2000 Loading suspended due to daytime and awaiting load
2000 2400 Loading resumed and continued.
Thu. 0000 0330 Leading continued.
0330 Loading completed.
The end

E & Captain

AP DRIAN MI A. A. A.

811 41 2 49 674998 OH 86412

011864122809704 OK 011864122803802 412 227 2202

12/18/92

17:32

KII SALES & ADMINISTRATION 1600

001

049674998

19-DEC-92 SAT 8:51

KOPPERS MAYFIELD

FAX NO. 049674998

P. 01

Facsimile Transmission From Fax Nº. 67 4998

Date:

19/12/92

Attention:

Walter W. Turner

Company:

Koppers Industries Inc.

Fax Nº.:

0011-1-412-2272202

From:

Wing Kuen Chan

SUBJECT:

m.v. 'AMANDA SMITS'

KOPPE

Koppers Coal Tar Products Pty Limited

A.C.N. 003 947 699

Woodstock Street, Mayfield

P.O. Box 23, Mayfield, N.S.W. 2304

Telephone: 674777 Facsimile: 674998 Country Code: 61

Area Code - within Australia: 049

from overseas : 49

Telex: 28223

Please find the details of the chartered vessel as follows.

Vessel Name

Amanda Smits

Flag

The Netherlands

Year Built

1979

DWAT

7,800 MT

LOA

98 m

Beam

Mean Loaded

17.1m

Draught "

28 feet

Configuration tween decker convertible into single decker

GRT/NRT Hatch

3971/2437 Steel folding covers Cranes

2 x 50T

23rd-30th December 1992

Laycan ETA Dallan

27th Dec

Cargo

5,700 - 6,200 MT of coal tar pitch

Destination

Portland, Oregon USA

Demurrage Rate

USD 5,500 / day

Regards,

Wing Kuen Chan

N.B. We are working on the proposal to build the liquid pitch loading facility at Dallan. This proposal is to be sent to China before Christmas. The proposal includes a melter to be built next to the existing shed, the arrangement is similar to the one at Portland. Therefore, we are very keen to know the development of its re-start.

Sent By:

wko

Telephone: (049) 67 4777

Total Pages:

COPPE

A.C.N. 003 947 699

Telephone: 674777

Facsimile: 674998 Country Code: 61

Telex: 28223

Woodstock Street, Mayfield

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

Koppers Coal Tar Products Ptv Limited

from overseas: 49

Facsimile Transmission From Fax Nº. 67 4998

CC Kerin amus Ken

Date:

11/11/92

Attention:/

Mr Walter Turner 19

Company:

Koppers Industries Inc.

Fax Nº.:

0011-1-412-227-2202

From:

Wing K Chan-

SUBJECT:

Next Chinese Pitch Shipment for Portland Oregon.

Dear Walter,

Anshan have just started producing for the next Portland shipment when I was in China last week. This 6,000 MT shipment is scheduled to be loaded at around Christmas 1992. The remained pitch in Dalian shed from last shipment evidences that the performance of the header operation was the cause of the deterioration of pencil quality. Thus, I visited Anshan to inspect the pencilling for the first tank of pitch to be shipped for Portland. However, the quality, when I was there, was very acceptable. I believe that Anshan have rectified the operational problems after our complaint. They do appreciate that it may be the last shipment for USA if the quality was not found improved significantly during the unloading at Portland.

I am going to charter the vessel nominating the laycan of 20th - 30th December 1992. I estimate 15 days for sailing plus 4 days for unloading. Hence, the inventory will not be too low at Portland to keep Vanalco operating as the shipment due to arrive.

Anshan are about to complete the design for the modification project. The civil work will commence soon. The expected completion date is June 1993.

Regards,

Wing Kuen

cc. John Crawford

1312301000 Qremoin

Purchase Order

KOPPERS

DIVISION PROCUREMENT COPY

Koppers Coal Tar Products Pty. Ltd.

To C1-Post Office Box 23 Mayfield NSW 2304

Australia

Attention: John Crawford

Order No. 0M3-1670-2 Sheet

#1 (Sheet 1) Continued on sheet

This order number must be shown on all shipments, invoices, correspondence, etc.

Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A.

Invoice Instructions:

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED "ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE. LIST EACH SHIPMENT SEPARATELY.

November 19, 1992

Requisition No	Inquiry No.		Account No.	
		• .		
Quantity	Description			
	COAL TAR PENCIL PITCH			
	ANY REFERENCE TO "KOPPERS COMPANY, INC." ON THE FRONT OR REVERSE SIDE UEREOF, OR ON ANY ATTACHMENT, MUST BE CONSIDERED AS BEING "KOPPERS INDUSTRIES, INC." SPECIFIC ATTENTION MUST BE GIVEN TO ADDRESSES AND INSTRUCTIONS CONTAINED IN THE BODY OF THIS ORDER, NOT THOSE PREPRINTED.			
Quantity:	6000 Metric Tons (not to exceed 6200 metric tons)			
Price:	metric ton F.O.B. Vessel, Port of Portland			
Source:	Anshan, China			
Specificati	Toluene Insoluble Quinoline Insoluble Coking Value Specific Gravity Distillation to 360°C Ash Sodium *Moisture All material must meet	ASTM D 2416 ASTM D 71 ASTM D 2569 ASTM D 2415 the above special pre-shipment of the company of	52% minimum 1.30% minimum 5% maximum (prefer 3% maximum) 0.25% maximum 250 PPM maximum 0.50% maximum ifiation with a preferred QI sample shall be airmailed to 5 William Pitt Way, tadel.	

Order Distribution:

D. N. Sweet - K-1750

J. L. Schaum - K-1750

Traffic Dept. - K-2050

J. Oxford - Portland Plant

K. J. Regel - K-1601

W. W. Turner - K-1601

P. A. Stadel - U-PARC

John Crawford - KAP

L. F. Flaherty - K-1750

T-226 Rev. 15m 4-87

KOPPERS COMPANY, INC. TAR AND WOOD PRODUCTS SECTOR 1750 KOPPERS BLDG. PITTSBURGH, PA. 15219

KOPPERS

Purchase Order

Koppers Coal Tar Products Pty. Ltd.

To C1-Post Office Box 23

Mayfield NSW 2304

Australia

Attention: John Crawford

Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

Ship To:

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A. DIVISION PROGUSEMENT COPY

Date November 19, 1992

Order No. 0H3-1670-2

Sheet #1 (Sheet 2)

Continued on sheet

This order number must be shown on all shipments, invoices, correspondence, etc.

Invoice Instructions:

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED "ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE. LIST EACH SHIPMENT SEPARATELY.

Requisition No.	Inquiry No. Account No.
Quantity	Description
	COAL TAR PENCIL PITCH
Delivery:	One vessel to arrive Portland about January 21-25, 1993.
	(Notification: Sailing date and ETA, 72 hour notice to W. W. Turner, 1601 Koppers Building, Pittsburgh, PA 15219 (Telex 402337)
Documentati	on: To be sent to W. W. Turner a. Copy of charter party. b. Bill of lading which will be issued by the charter party originator. c. Copy of invoice and analysis of material should be mailed when material is loaded into vessel.
·	
WWT:rs	KOPPERS IS ENTITLED TO ALL REMEDIES PURSUANT TO THE UNIFORM COMMERCIAL CODE.

Order Distribution:

001

Passimile Transmission

From Facs, No. 674998

Hos John Koppers Coal Tar - Woodstock Street, M P.O. Box 23, Maytler Telephone: 674777
Facsimile: 674998
Country Code: 61
Area Code - within A from or

Attention: WALTER TURNER

Koppers Coal Tar Products Pty Limited

Woodstock Street, Mayfield

P.O. Box 23, Maylleld, N.S.W. 2304

Area Code - within Australia: 049

from overseas: 49

Company: KOPPERS INDUSTRIES-PITTSBURGH.

Facs. No.: 0011-1-412-227-2202

From: JOHN LOWCOCK

SUBJECT: VESSEL CHARTER-PITCH CARGO DALIAN TO PORTLAND OREGON.

WALT.

WE ARE OUT FOR CHARTER ON A SHIP TO LIFT YOUR 6000 TONNE PITCH CARGO OUT OF CHINA IN DECEMBER.

AS USUAL WE ARE NOT GETTING TOO MANY OFFERS FOR VESSELS TO DO THIS WORK.

DOWA SHIPPING HAVE COME IN WITH A SMALL BULK CARRIER WHICH WILL BE IN POSITION TO MEET OUR LAYCAN, BUT SHE WILL ONLY LIFT BETWEEN 5500-5700 TONNES.

THE SHIP IS THE "BALSA 34" AND I QUESS SHE IS SIMILAR OR A SISTER TO AN-OTHER OF DOWA'S VESSELS "BALSA 9" WHICH WE USED ONCE BEFORE.

"BALSA 34" HAS EXPOSED RIBS PROJECTING INTO THE HOLDS (SEE EN-CLOSED DRAWING). SHE HAS 2 HOLDS AND 2 HATCHES

DO YOU RECALL ANY BAD EXPERIENCES WITH "BALSA 9 " DISCHARGE THAT WOULD STEER US AWAY FROM CHARTERING THIS VESSE. OR DO YOU HAVE ANY COMMENT THAT WOULD SWAY US ONE WAY OR THE OTHER?

WE NEED YOUR ADVICE URGENTLY ON THIS AS FREIGHT ON THIS CEFFR IS

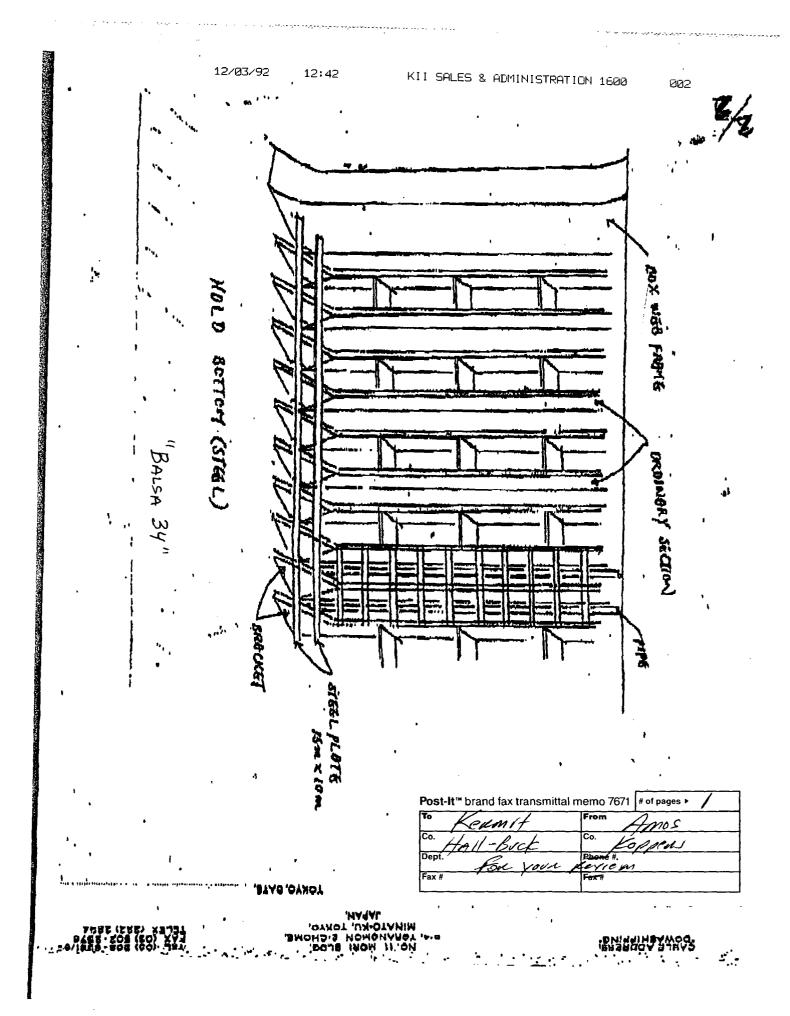
QUITE REASONABLE.

REGARDS.

CC J. CRAWFORD W. CHAN

Koppers009485

Fermit 2000/shipt





Telephone: (503) 286-3681 FAX: (503) 285-2831

FEBRUARY 20, 1992

KEN ESPEDAL CONST./TRUCKING 3822 N.E. 72 PORTLAND, OR 97213

DEAR KEN:

THIS CONFIRMS OUR TELEPHONE CONVERSATION OF THIS DATE AUTHORIZING YOUR COMPANY TO FURNISH TRUCKS TO, TO HAUL PENCIL PITCH FROM THE PORT OF PORTLAND, TERMINAL 4 TO OUR PLANT AT 7540 NW ST. HELENS ROAD, PORTLAND, OREGON.

THE RATE OF \$36.00 PER HOUR IS AGREEABLE. WE SHALL NOTIFY YOU AS SOON AS THE SHIP IS READY TO DISCHARGE THE CARGO.

WITH BEST REGARDS,

JOHN A OXFORD PLANT MANAGER

JAO:mn



Telephone: (503) 286-3681 FAX: (503) 285-2831

FEBRUARY 24, 1992

MONTGOMER BROTHERS TRUCKING 15120 S. SPRINGWATER ROAD OREGON CITY, OREGON 97045

DEAR SIR:

THIS CONFIRMS OUR TELEPHONE CONVERSATION OF THIS DATE AUTHORIZING YOUR COMPANY TO FURNISH TRUCKS, TO HAUL PENCIL PITCH FROM THE PORT OF PORTLAND, TERMINAL 4 TO OUR PLANT AT 7540 NW ST. HELENS ROAD, PORTLAND, OREGON.

THE RATE OF \$60.00 PER HOUR IS AGREEABLE. WE SHALL NOTIFY YOU AS SOON AS THE SHIP IS READY TO DISCHARGE THE CARGO.

WITH BEST REGARDS,

JOHN A OXFORD PLANT MANAGER

JAO:mn



Telephone: (503) 286-3681 FAX: (503) 285-2831

FEBRUARY 22, 1992

CELORIE BROS. DUMP TRUCKING INC. P.O. BOX 1118 CLACKMAS OREGON 97015

DEAR SIR:

THIS CONFIRMS OUR TELEPHONE CONVERSATION OF THIS DATE AUTHORIZING YOUR COMPANY TO FURNISH TRUCKS TO, TO HAUL PENCIL PITCH FROM THE PORT OF PORTLAND, TERMINAL 4 TO OUR PLANT AT 7540 NW ST. HELENS ROAD, PORTLAND, OREGON.

THE RATE OF \$60.00 PER HOUR IS AGREEABLE. WE SHALL NOTIFY YOU AS SOON AS THE SHIP IS READY TO DISCHARGE THE CARGO.

WITH BEST REGARDS,

JOHN A OXFORD PLANT MANAGER

JAO:mn



Telephone: (503) 286-3681 FAX: (503) 265-2831

FEBRUARY 18, 1992

DAVE OBRIST TRUCKING & EXCAVATING INC. 14292 S.E. 172ND CLACKAMAS, OREGON 97015

DEAR DAVE:

THIS CONFIRMS OUR TELEPHONE CONVERSATION OF THIS DATE AUTHORIZING YOUR COMPANY TO FURNISH THREE TRUCKS, TO HAUL PENCIL PITCH FROM THE PORT OF PORTLAND, TERMINAL 4 TO OUR PLANT AT 7540 NW ST. HELENS ROAD, PORTLAND, OREGON.

THE RATE OF \$60.00 PER HOUR IS AGREEABLE. WE SHALL NOTIFY YOU AS SOON AS THE SHIP DOCKS AND IS READY FOR DISCHARGE.

REGARDS.

JOHN A. OXFORD PLANT MANAGER

CC: Plant File

JAO: mn

KOPPERS

DIVISION PROCUREMENT COPY

SUMITOMO CORPORATION OF AMERICA To One California Street Suite 2300 San Francisco, CA

OM2-1670-2 94111 Sheet #1 (Sheet 1) Continued on sheet

Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A.

This order number must be shown on all shipments, invoices, correspondence, etc.

Invoice Instructions:

Date

Order No.

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED "ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE. LIST EACH SHIPMENT SEPARATELY.

January 13, 1992

Requisition No.	Inquiry No.		Account No.			
Quantity		Description				
	•	COAL TAR PENCIL	PITCH			
HE	ANY REFERENCE TO "KOPPERS COMPANY, INC." ON THE FRONT OR REVERSE SING HEREOF, OR ON ANY ATTACHMENT, MUST BE CONSIDERED AS BEING "KOPPERS INDUSTRIES, INC."					
	ECIFIC ATTENTION MUST BE THE BODY OF THIS ORDER,		SSES AND INSTRUCTIONS CONTAINED			
Quantity: 3,0	000 Metric Tons					
rice:	Metric Ton, F.).B. Vessel, Por	t of Portland			
Source: Kav	vasaki Steel					
pecification:	Distillation to 360°C Ash Iron Silicon Sulfur Sodium Moisture	ASTM D 4072 TI-QI ASTM D 2416 ASTM D 2320 ASTM D 20 ASTM D 2415 ASTM D 95	108-112°C. 3-127 287 min. 162 min. 162 min. 544 min. 1.310 min. 3.07 max. 0.307 max. 400 ppm max. 300 ppm max. 0.70% max. 200 PPM max. 1.0% max.			

Order Distribution:

D. N. Sweet - K-1750

J. L. Schaum - K-1750

Traffic Dept. - K-2050

J. Oxford - Portland Plant

K. J. Rege1 - K-1600

W. W. Turner - K-1601

P. A. Stade1 - UPARC.

L. F. Flaherty - K-1750.

RECEIVED

JAN 24 1982

KOPPERS INDS., INC. PORTLAND, OR

T-226 Rev. 15m 4-87

KOPPERS

Purchase Order

DIVISION PROCUREMENT COPY

SUMITOHO CORPORATION OF AMERICA
 To One California Street
 Suite 2300
 San Francisco, CA 94111

Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

Ship To:

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A.

Date January 13, 1992 Order No. OM2-1670-2 Sheet #1 (Sheet 2) Continued on sheet

This order number must be shown on all shipments, invoices, correspondence, etc.

Invoice Instructions:

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED "ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE. LIST EACH SHIPMENT SEPARATELY.

Requisition No.	Inquiry N	lo.	Account No.
Quantity		Description COAL TAR PENCE	
	A pre-shipment sample s Inc UPARC, 1005 Will Attn: Paul Stadel.	iam Pitt Way, Piț	tsburgh, PA 15238,
	To arrive Port of Portl (Notification: Sailing W. W. Turner, 1601 Kopp 402337)	date and ETA, 72	
Documentatio	 a. Copy of charter b. Bill of lading party originato c. Copy of invoice 	party. which will be issue.	ued by the charter material should be nto vessel.
	•	<i>;</i>	
WT:rs	KOPPERS IS ENTITLED TO COMMERCIAL CODE.	TO ALL REMEDIES PU	URSUANT TO THE UNIFORM

Order Distribution:

John Chard



F A X

To:

SUMITOMO CORPORATION QF AMERICA :

Koppers Company, Inc.

Pittsburgh, PA

Page 1 of

Attn: Mr. Walter W. Turner

Marketing Manager

Date / Ref. No.: Jan. 24, 1992

/SFRNZ- 0873

Name:

M. Shiomi, Group Product Mgr.

Dept.:

Petroleum & Carbon San Francisco Office

Tel. No.:

(415) 788-5400

(415) 788-5437 (Direct)

Fax No.:

(412) 227-2202

Mr. Stadel

Fax No. (415) 362-1755

Subject:

KSC COAL TAR PITCH

Our Tokyo Office sent you sample of Coal Tar Pitch for January shipment.

By DHL.

Cargo Receipt No.: 517317345

ETA Factory:

Jan. 27, 1992 (Monday)

Pace Wed

Regards,

JAN 3 0 1992

KOPPERS INDS., INC. PORTLAND, OR

for Mike Shiomi

we will reed complete analyse 1-SAP to determine blending %

JAN 24 1992

One California Street San Francisco, CA 94111-5493

Tel. 415-788-5400

TOTAL P.01

SUMITOMO CORPORATION OF AMERICA

F A X

Koppers Company, Inc. To: Pittsburgh, PA

Attn: Mr. Walter W. Turner

Marketing Manager

AND

Mr. Stadel

Page 1 of

Date / Ref. No.: Jan. 24, 1992

/sfrnz- 0873

Name:

M. Shiomi, Group Product Mgr.

Dept.:

Tel. No.:

Petroleum & Carbon San Francisco Office

(415) 788-5400

(415) 788-5437 (Direct)

Fax No. (415) 362-1755

Fax No.:

(412) 227-2202

Subject:

KSC COAL TAR PITCH

Our Tokyo Office sent you sample of Coal Tar Pitch for January shipment.

By DHL.

Cargo Receipt No.: 517317345

ETA Factory:

Jan. 27, 1992 (Monday)

Regards,

for Mike Shiomi

we will need complete analyse

He to determine blending %

JAN 24 1992

One California Stre & OPPERS INDS., INC.

San Francisco, CA 9411 POSTLAND, OR Tel. 415-788-5400

TOTAL P.01

and tamerer John Offace

Kerr Steamship Company, Inc.

Nagents Kerr Steamship Company Portland, Or.	Inc.	STATEMENT O	FFACT	
2. Vessel's name MV Artem		3. Port Portland, Or.		
4. Owners/Disponent Owners		5. Vessel berthed 0610 21 February 1	1991	
Unicom Cyprus		6. Loading commenced	7. Loading completed	
8. Cargo Pencil Pitch in bulk		9. Discharging commenced 0830 21 Feb 1992	10. Discharging completed 1000 23 Feb 1992 12. Vessel sailed 1200 23 Feb 1992	
13. Charter Party		14. Working hours /meal hours of the port		
Per relevant charter pa	rty	0800 - 1700 / 1200	- 1300	
15. Bill of Lading weight/quantity 16. Outturn weight/quantity		1800 - 0300 / 2200 0300 - 0800	- 2300	
17. Vessel arrived on roads		18.		
19. Notice of readiness tendered 1135 18 February 1992		20.		
21. Next tide available		22.		

DETAILS OF DAILY WORKING

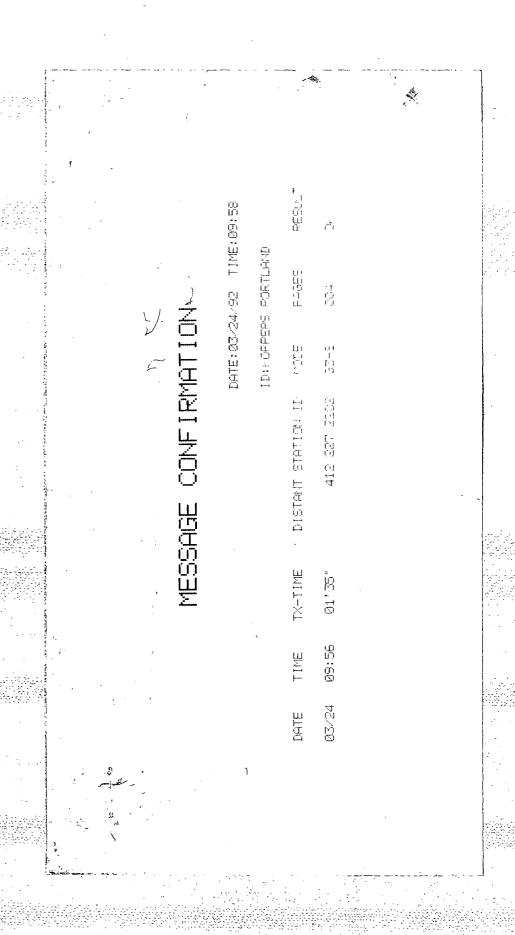
	Date	Day	Hours worked		Hours	stopped	No of source	Quantity Sold./disch. mts	Remarks .
	Date	Day	From to		From	to No. or gur	140, or gangs		
21	Feb 1992	Friday	0800	1700			1	1092.4	production
				ì	0800	0815			draft survey
		}		}	0815	0825			uncover #1
				İ	0825	0830			lower spill tray
		<u> </u>	0830	0840	1	1			disch cargo
			Ì	} .	0840	0850	1	}	s/by crane down
			0850	1145	ŀ		1		disch cargo
		l			1145	1200	1	1	raise apron/bucket
İ		ļ			1200	1300	}	1	meal hour
İ			1.300	1700					disch cargo
		2nd shift	1800	0300		1	1	1088.9	production
		İ	1800	2140			1	4	disch cargo #1
	1		}	İ	2140	2200		ļ	hoist dozer #1
			Ì	1	2200	2300			meal hour
)	Ì	Ì	2300	2305	į.		raise spill tray
		[2305	2310			lower spill tray
			2310	0030					disch cargo
		İ	}		0030	0045		l	s/by health & safety
			1		0045	0200			adjust bucket
			0200	0300					disch cargo
		3rd shift	0300	0800	1		1	590.7	production
			}		0300	0305]	raise spill tray
ļ				ł	0305	0315	1		inspect bucket
		1	}		0315	0320			lower spill tray
		1	0320	0425					disch cargo
ŀ		Į			0425	0430			uncover #1
			0430	0700					disch cargo
					0700	0705			faise spill tray
1					0705	0710			lower spill tray
		1	0710	0800		" " "			dischedargo
2	Feb 1992	Saturday	0800	1700			1	1288.8	production
	100 1772	Jacuruay	0800	1145				-200.0	disch cargo
				1	1145	1200			raise spill tray
1		1	1		1 ** * 7 /	1200			Tarbo opini

Vessel arrived Vancouver Wa., anchorage 1957hrs 18 February 1992, and waited for the berth

due congestion. Vessel berthed 0610hrs 21 Fe	ebruary 1992.
Place and date Portland Or. 23 February 1/992 Name and cignature (Agents)	Name and signature (Master) Name and signature (for the Charters / Shippers / Receivers)
Kerr Steamship Company Inc.	

Kerr Steamship Company, Inc.

1. Agents					-			
Kerr Steamship Company Inc.						STA	ATEMENT OF	FACT
2. Vessel's name						3. Port		
4. Owners/Disponent Owners						5. Vessel berthe	ed .	
						6. Loading comm	menced	7. Loading completed
8. Cargo						9. Discharging o	commenced	10. Discharging completed
						11. Cargo docume	ents on board	12. Vessel sailed
3. Charter Party						14. Working hours	s/meal hours of th	ne port
5. Bill of Lading	weight/quantity	16	. Outturn wei	ght/quantity		1		
7. Vessel arrive	d on roads					18.		
9. Notice of read	liness tendered					20.		
1. Next tide avai			- ,			22.		
HERI FIGE GVOI						44.		
DETAILS OF DAI	ILY WORKING							,
		Hours	s worked	Hours	stopped		Quantity	
Date	Day	From	, to	From	to	No. of gangs	load, /disch.	Remarks
?2 Feb 1992	Saturday			1200	1300			meal hour
		1310	1500	1300	1310			lower spill tray
		1500	1700					disch cargo #2
	2nd	1800	0300			1	912.9	production 2
		1800	1845	1845	1850		!	disch cargo #2 raise spill tray
		1055	1020	1850	1855			lower spill tray
		1855	1930	1.930	1935			disch cargo #2 raise spill tray
				1935	1940			lower spill tray
		1940	2045	2045	2050			disch cargo #2 raise spill tray
				2050	2055			lower spill tray
		2055	2105	2105	2125			disch cargo #1 hoist dozer to #2
		2125	2200					disch cargo
		2300	0130	2200	2300			meal hour disch cargo #2
		0150	0300	0130	0150			hoist dozer to #2
	3rd	0300	0800			1	425.0	disch cargo production
12 5 1 100	ł 	0300	0800					disch cargo
3 Feb 1992	Sunday	0800 0800	1700 1000			1	158.3	production disch cargo
	}			1000	1015			remove payloader
		1015	1045	1045	1200			disch cargo clean dock
•				1200	1300			meal hour
				1300	1700			dead time
	-							
	}							
Seneral remarks		·		· ·			• • • • • • • • • • • • • • • • • • • •	
							למ	
Place and date Portland C	Or. 23 Fe	bruary/	1992		Name	and signature (Mas	ter) (//A N D	
Name and signatu			!		Name	and signature (for	the Charterers/Sh	ippers/Receivers)
Kerr Steams	hip compan	y/Inc.				*.	$\lambda_{i,j}$	
	1 - 1	111111	1 /		l			





INTEROFFICE CORRESPONDENCE

To:

KEN REGEL

From:

MARY NEAL

Location.K-1600

Location: PORTLAND PLANT

Subject: WEIGHTS ON RAIL CARS TO VANALCO

Date:

March 23, 1992

THE FOLLOWING CARS WERE SHIPPED TO VANALCO AND ALL WEIGHTS ARE IN

BILL OF LADING KG-46794

CAR #	GROSS	TARE	NET	TONS	
BN-435425	183420	61800	121620	60.81	
BN-475016	199680	63700	135980	67.99	
GN-71999	185540	60800	124740	62.37	
GN-71991	186520	61600	124920	62.46	
GN-71523	201600	63500	138100	69.05	
GN-71564	196080	63300	132780	66.39	
GN-71512	198900	63000	135900	67.95	
NP-75334	184500	60700	123800	61.90	
NP-75350	 185980	61400	124580	62.29	
SLSF-82301	186380	61000	125380	62.69	
TOTAL			1,287,800	643.90	
KG-46795					•
BN-419495	182460	62400	120060	60.03	
GN-71554	194980	60900	134080	67.04	
GN-71551	176520	63100	113420	56.71	
GN-71998	178020	60200	117820	58.91	
NP-75320	171100	61200	109900	54.95	
TOTAL		`	595,280	297.64	
KG-46796					
BN-419388	165620	61900	103720	51.86	× × · · ·
BN-475013	181240	63800	117440	58.72	j.
BN-419377	169800	62100	107700	53.85	
BN-419371	174080	62500	111580	55.79	
CBQ-85166	178080	63100	114980	57.49	
CBQ-85120.	174200	63200	111000	55.50	
CBQ-85194	182260	63000	119260	59.63	2
CBQ-85197	182780	62400	120380	60.19	
GN-71548	177320	69000	108320	54.16	٠.
NP-75311	162580	61200	101380	50.69	
NP-75322	167540	61500	106040	53.02	
NP-75305	166600	61000	105600	52.80	
SLSF-182067	169540	62300	107240	53.62	
SLSF-182251	179560	62700	116860	58.43	
TOTAL			1,551,500	775.75	<u> </u>

PAGE -2-

BILL OF LADING # 46797

CAR #	GROSS	TARE	NET	TONS	
BN-435415	173000	61600	111400	55.70	
CBQ-85140	189200	62200	127000	63.50	
GN-71538	188820	63300	125520	62.76	
GN-71526	186400	63200	123200	61.60	
NP-75602	192500	62700	129800	64.90	
NP-75391	173440	60600	112840	56.42	
NP-75337	175940	60900	115040	57.52	
NP-75383	166420	61100	105320	52.66	
SLSF-82234	184580	60700	123880	61.94	
SLSF-82164	173980	60900	113080	56.54	
TOTAL			1,187,080	593.54	
KG-46798					
BN-419375	185400	62500	172900	61.45	
BN-419561	178440	61600	116840	58.42	
CBQ-85159 GN-71573	186960 201000	63200 63600	123760 137400	61.88 68.70 58.01	
NP-75343 NP-75301 NP-75348	177520 180260 185180	61500 60400 61700	116020 119860 123480	59.43 61.74	
SLSF-82316	180160	62000	118160	59.08	
SLSF-182058	181720	62500	119220	59.61	
SLSF-82241	186440	61500	124940	62.47	
TOTAL			1,222,580	611.29	
KG-46799			V-3*	· · · · · · · · · · · · · · · · · · ·	
BN-435027	181920	61900	120020	60.01	
CBQ-85103	196680	63000	133680	66.84	
GN-71517	192300	63300	129000	64.50	
NP-75303	185660	61000	124660	62.33	
NP-75330	178820	61400	117420	58.71	
SLSF-82257	185580	61100	124480	62.24	
SLSF-82017	186040	61500	124540	62.27	
SLSF-182052	188380	62300	126080	63.04	
SLSF-182127	173980	62100	111880	55.94	
SLSF-82313	180020	61800	118220	59.11	
TOTAL	· · · · · · · · · · · · · · · · · · ·		1,229,980	614.99	······································

PAGE-3-

BILL OF LADING KG-46800

CAR #	GROSS	TARE	NET	TONS
BN-419421	176740	62100	114640	57.32
GN-71578	195440	64200	131240	65.62
NP-75331	183200	60200	123000	61.50
NP-75619	192260	62300	129960	64.98
NP-75399	171440	61000	110440	55.22
SLSF182080	181840	62600	119240	59.62
SLSF-82358	185160	61200	123960	61.98
SLSF182016	175160	62700	112460	56.23
SLSF-82228	176440	60800	115640	57.82
TOTAL			1,080,580	540.29
KG-54901				,
	404455	00000	48.5	
BN-438033	184160	62800	121360	60.68
BN-419524	173800	61000	112800	56.40
CBQ-85188	185460	61800	123660	61.83
CBQ-85181	174440	62800	111640	55.82
CBQ-85178	187560	62900	124660	62.33
GN-71518	186720	62700	124020	62.01
SLSF-82367	180220	61000	119220	59.61
SLSF182177	175980	62300	113680	56.84
SLSF-82235	175400	62100	113300	56.65
SLSF182008	166540	62500	104040	52.02
TOTAL			1,168,380	584.19
KG-54902	-			
BN-435033	174620	61900	112720	56.36
BN-435474	183640	62200	121440	60.72
GN-71529	188260	63700	124560	62.28
GN-71994	180880	61700	119180	59.59
GN-71507	191440	63600	127840	63.92
GN-71536	192960	63000	129960	64.98
NP-75308	181780	61200	120580	60.29
				54.13
SLSF-82232	169560	61300	108260	
SLSF182130	178900	61900	117000	58.50
SLSF-82284	177020	61600	115420	57.71
TOTAL			1,196,960	598.48
KG-54903				
CFWR-77505	204130	63900	140230	70,115
GTW-138220	230400	60200	170220	85/10
NP-75345	181180	61900	119280	85,10 59,64
UMP-480794	225840	62400	163440	81.72
TOTAL	**************************************		593,150	296.575

GRAND TOTAL	11,113,290	5,556.645 SHORT TONS
KG-54903	593,150	296.575
KG-54902	1,196,960	598.48
KG-54901	1,168,380	584.19
KG-46800	1,080,580	540.29
KG-46799	1,229,980	614.99
KG-46798	1,222,580	611.29
KG-46797	1,187,080	593.54
KG-46796	1,551,500	775.75
KG-46795	595,280	297.64
KG-46794	1,287,800	643.90
BILL OF LADING #	NET	TONS

KOPPERS MAYFIELD Roge

FAX NO. 049674998

P. 01

Facsimile Transmission From Facs. No. 674998

Koppers Coal Tar Products Pty Limited

Date:

24th January 1992

A.C.N. 003 947 699

Woodstock Street, Mayfield

P.O. Box 23, Maylield, N.S.W. 2304

Telephone: 674777 Facsimile: 674998 Country Code: 61

Area Code - within Australia: 049

from overseas: 49

Telex: 28223

Attention:

Walter Turner

Company:

Koppers Industries Inc.,

Pittsburgh

Facs. No.:

0011-1-412-227-2202

From:

John Lowcock

SUBJECT:

Chinese Pitch Shipment - Dalian to

Portland Oregon USA

Walt,

'Artem' completed loading 5557.5 tonnes of pencil pitch in Dalian at 0700 hours today (Friday, 24th January 1992).

Vessel scheduled to depart Dalian early pm 24th January.

Regards,

John Llowcock

JAN 27 652

KOTPERS INDE. INC. NORTH CA

JDL:MJM

Johnson a Kamerer

+/-

5%

OPPE

P.O. Box 23, Mayfield, N.S.W. 2304

Area Code - within Australia: 049

A.Ć.N. 003 947 699 Woodstock Street, Maylield

Telephone: 674777 Facsimile: 674998 Country Code: 61

Telex: 28223

Koppers Coal Tar Products Pty Limited

from overseas: 49

KOPPERS MAYFIELD

Facsimile Transmission From Facs. No. 674998

Date:

13th January 1992

Attention:

Walter Turner

Company:

Koppers Industries Inc.,

Pittsburgh

Facs. No.:

0011-1-412-227-2202

From:

John Lowcock

SUBJECT:

Chinese Pitch Shipment - Dalian to

Portland Oregon USA

We have fixed the charter of a vessel to lift 5,500 tonnes of coal tar pitch from Dalian China, to Portland Oregon USA.

Vessel details are as follows:

Vessel Name:

'Artem'

Flag:

Soviet

Cargo:

5,500 MT Pitch Pencil

(Charterers Option)

FAX NO. 049674998

Tonnage D.Wt:

6,163 Tonnes

GRT: NRT:

4860

Vessel Length:

Not determined yet

Vessel Beam:

111.13 M

18.0 M

Draft:

5.8 M Fully Loaded

No. of Holds:

No. of Hatches:

Hatch Configuration:

Single Deck

Classification:

Bulk Carrier

Laydays Loading:

15th - 30th January 1992

ETA Dalian

18th January 1992

Call Sign:

3EHI9

ETA Portland:

11th/12th February 1992

The vessel is a new build currently scheduled to leave the Shiminoseki, Japan, shipyard on 15th January 1992.

We have this ship on time charter rather than the usual voyage charter.

We shall keep you advised on the progress into and through Dalian.

> gards, havealflo John Lowcock

cc J. Crawford

Sent By: JDL:MJM

Tel.: (049) 674777

Regards,

Total Pages:

copy to: Amos Kamerer/John Oxford

Fred Flury K. J. Regel J. L. Schaum KOPPERS MAYFIELD Rege

Facsimile Transmission From Facs, No. 674998

PPE

Koppers Coal Tar Products Pty Limited A.C.N. 003 947 699

Woodstock Street, Mayfield P.O. Box 23, Mayfield, N.S.W. 2304

Telephone: 674777 Facsimile: 674998 Country Code: 61

Area Code - within Australia: 049

from overseas: 49

Telex: 28223

FAX NO. 049674998

Date:

24th January 1992

Attention:

Walter Turner

Company:

Koppers Industries Inc.,

Pittsburgh

Facs. No.:

0011-1-412-227-2202

From:

John Lowcock

SUBJECT:

Chinese Pitch Shipment - Dalian to

Portland Oregon USA

Walt,

Vessel 'Artem' completed loading 5557.5 tonnes of pencil pitch in Dalian at 0700 hours today (Friday, 24th January 1992).

Vessel scheduled to depart Dalian early pm 24th January.

Regards,

John Llowcock

PECEIVED

JAN 27 1992

KOPPERS INDS., INC. PORTLAND, OR

JDL:MJM

SEAPORT

Marine Surveys Inc.

Capt. Peter J. Morrison

Peter Brauns

Report No.:

50830R

Surveyor:

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-1329

Fax: (206) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Artem

Voyage No.:

i

REQUEST OF:

Koppers Company Inc

LOCATION:

Berth 411

COMMODITY:

Pencil Pitch

Port of Portland

	LIGHT DISPLACEMENT	LOADED DISPLACEMENT
DATE:	23-Feb-92	21-Feb-92
TIME:	10:00	7:30
DISPLACEMENT		
Draft Forward:	0.7592	5.5402
Draft Aft:	4.4067	6.3836
Midships-Port	2.4600	6.0500
Midships-Starboard	2.6000	5.8800
Mean of Means (Corrected)	2.5432	5.9642
Corresponding Displacement:	3,656.97	9,323.55
Trim Correction:	-77.52	-30.98
Density Correction:	1.000 -87.30	1.000 -226.65
Corrected Displacment:	3,492.15	9,065.93
DEDUCTIONS:		
Fuel Oil:	253.39	255.39
Diesel Oil:	74.45	74.45
Fresh Water:	98.28	108.08
Ballast Water:	220.26	220.26
Others:		
TOTAL:	646.38	658.18
LOADED DISPLACMENT:	8,407.75	M/Tons: 5,561.98
LIGHT DISPLACEMENT:	2,845.77	L/Tons: 5,474.13
TOTAL CARGO:	5,561.98	S/Tons: 6,131.03

Original Signed by Chief Officer

Chief Officer

Artem

RECEIVED

Surveyor Peter Brauns

FEB 2 7 1992

KOPPERS INDS., INC. PORTLAND, OR

SEAPORT MARINE SURVEYS, INC.

Capt. Peter J. Morrison
Peter Brauns

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

DRAFT DISPLACEMENT SURVEY

VESSEL:	ARTE	m	Voyage No.:		<u></u>	
REQUEST OF:	KOPPEN	<u>s</u>	LOCATION:	HALL	BUCK	MANINO
COMMODITY:	PENGIL	PITCH				
		INITIAL SURVEY		FINAL S	URVEY	
DATE:		2/21/92		2/	23/92	<u> </u>
TIME:		07/30			000	
DISPLACEMENT						
Draft Forward:		5.5402			7592	,
Draft Aft:		6.3836		4.	1067	
Midships-Port		6.05		2	2.46	
Midships-Starboard		5.88			60	
Mean of Means (Corrected)		5.9642		Z. S	5432	
Corresponding Displacemen	t:	9323.552		3 6	56.97	73
Trim Correction:		-30.977			77, 52	23
Density Correction:		-226. 648			87. 3c) 4
Corrected Displacment:		£ 401.745 9	7065.927	34	92.14	7
DEDUCTIONS:						
Fuel Oil:		255.39		23	53.39	,
Diesel Oil:		74.45			74.45	,
Fresh Water:		108.08		9	1.28	
Ballast Water:		220, 26		22.	0.Z6	
Others:						
TOTAL:		658, 18		64	6.38	2.
INITIAL DISPLACMENT	:	8 407, 745	M/Tons:	55	61.98	Ø
FINAL DISPLACEMENT:		2845,765	L/Tons:		4. 13	
TOTAL CARGO:			S/Tons:		1.026	
Mart -				<i></i>		

Scaport Marine Surveys, Inc. and the surveyor signing this report agree to use their best efforts in behalf of those for whom this survey is made, but it is expressly understood and agreed that this survey is understaken and this report issued with the understanding that neither shall be liable for any errors or omissions, whether due to active negligence or otherwise, in excess of the actual charge made for this survey, and that any and all persons interested in or to be affected hereby accept this report on that basis.

Surveyor

A.C.N. 003 947 699

Telephone: 674777 Facsimile: 674998 Country Code: 61

Telex: 28223

Woodstock Street, Mayfield

Koppers Coal Tar Products Pty Limited

from overseas: 49

P.O. Box 23, Maylield, N.S.W. 2304

Area Code - within Australia: 049

Facsimile Transmission From Facs. No. 674998

Date:

30th January 1992

Attention:

Walter Turner

Company:

Koppers Industries Inc.,

Pittsburgh

Facs. No.:

0011-1-412-227-2202

From:

John Lowcock

SUBJECT:

Chinese Pitch Shipment to Portland Oregon

Walt,

We received the attached fax from BHP Chartering Operations giving details of 'Artem's' ETA in Portland Oregon as 17th February 1992.

Regards,

John Lowcock

Encl:

RECEIVED

FEB - 1 1992

KOPPERS INDS., INC. PORTLAND, OR

JDL:MJM

20	TON-1	992	10	: 26	

BHPT CHART & OPS MELB

61 3 6555402

BEP TRAMEPORT LTD, MELECURNE. -

ウインシェ エンノシ

KOPPERS MAYFIELD

90 Colling Street Melbourne, Victoria 3000 GPO Box 86A Melbourne 3001

Tel: 03 609-3333 Fax: 03 655-5402 Tlx : AA 30711 ACN 006 480 548

Australia.

DATE: 29 JANUARY 92

PACSINILE COVER SHEET

KOPPERS AUSTRALIA

ATTN: LOWCOCK/CRAWFORD

CC

FROM :

TO

AND CONTROL OF THE CO

BHP TRANSPORT MELBOURNE

DAVID O'BRIEN

SUBJECT: ARTEM

ABOVE V/L SAILED DALIAN 1940 24-JAN-92 WITH ETA FORTLAND 17-FEB-92.

CARGO LOADED 5557.7 MT PENCIL PITCH.

AGENTS AT PORTLAND: KERR STEAMSHIP CO BENJAMIN FRANKLIN PLAZA SUITE 780 ONE SW COLUMBIA ST PORTLAND OREGON 97258-2022

PHONE: 1 503 220 2500 FAX : 1 503 220 2524 TELEX: 23 277303

CABLE: KERRLINE

If your call is unsuccessful or if you not receive all pages, please call back as soon as possible. No of Pagesi_

SENT BY :_

655 5542

and Ramera

Atenia File

鞍钢进出口公司

réc

Anshan Iron and Steel Complex Import and Export Corporation 322 South Zhonghua Road Anshan Liaoning P.R. China P.O. Code, 114002 Fax: (0086)412 513413, Telex: 810014 AIEC CN Tel: (412)532645 or (412)513413

Fax to; Attention; Subject; Fax No:
Date:
Number of pages:

24TH JAN-92

MR TURNER,

THE ATTACHED PLEASE FIND ONE COPY OF THE INVOICE AND ORIGINAL CERTIFICATE OF 100KG COAL TAR SAMPLE WHICH HAS BEEN SHIPPED ON VESSEL "ARTEM". ON 24TH JAN. 92.

YOURS FAITHFULLY

WANG ZHONGKUAN

FILESTA

FEB 11 1882

KOPPERS INDE. INC. RO, CHALTROP

cc, J. Chanks

产 地 证 明 书 CERTIFICATE OF ORIGIN

兹证明下列商品确系中国制造

鞍 山 Anshan

This is to certify that undermentioned China: —	commodities were manufactured in
品 名 COAL TAR	
产 地 Place of origin ANSHAN	中 国 China
数 量 Quantity	标记及号码 Marks & Nos.
100kg	
发 货 人 Consignor: ANSHAN IRCN & ETFEL (COMPLEY IM TYPOEM COPP
受货人 KOPPERS INDUSTRIES, Consignee: 436 SEVENTH AVENUE,	
运往地点 PITTSEURGH PA15	219_1300



鞍鋼進出口公司

ANSHAN IRON & STEEL COMPLEX IM-EXPORT CORPORATION

地址:中华人民共和国鞍山市中华路二段二号 地址: 中华人民共和国新山市中华路上段上号 电话, 514412, 532645, 2133734 电挂: 6651 鞍山 电传, 810014 AIEC CN 传真, 0086-0412-513413 ADD, NO.2 SECTION 2 ZHONGHUA STREET ANSHAN THE P.R.CHINA TEL, 514412, 532645, 2133734 CABLE: 6651ANSHAN TLX: 810014 AIEC CN FAX: 0086-0412-513413

		發 I N V	OIC	E票		
FOR ACCOUN	T AND RISK OF	MESSRS 购货人	INVO	ICE NO.发票		DATE 日期
	INDUSTRIE:	•		BPSAMPLE9200 IO.信用证	01	15th Jan.92 DATE 日期
436 SEV		E, PITTSBURGH, PA 9-1800	BILL	OF LADING NO.		DATE 日期
CONTRACT N	0. 合约	DATE 日期	MARI	S AND NUMBERS	· 	
CARRIER 运送		"ARTEM"	-			
PORT OF LOAD DALIAN,	ADING 运送口岸 CHINA	FINAL DESTINATION 目的地 PITTSBURGH, USA	-			
项 目 ITEM NO.		货名 DESCRIPTION		数量 QUANTITY	单价 UNIT PRICE	金额 AMOUNT
,	SPECIFICAT SPECIFIC G TOLUENE IN ASH: MOISTURE:	TIONS: RAVITY: 1.13-1.22g,	•	100kg	1	NO COMMERCIAL VALUE IS JUST A SAMPLE
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Koppers009515

Kerr Steamship Company, Inc.

Atlanta Baltimore Boston Charleston Chicago Cleveland Cranford Dallas Detroit Fair Lawn Galveston Hallfax N.S. Houston Jacksonville Jacksonville Long Beach Los Angeles Memphis Milwaukee Minneapolis Mobile Montreal New Orleans New York Norfolk Philadelphia Portland San Francisco Savannah Seattle Saint John N.B. St. John's N.F. Toronto Vancouver, B.C. Wilmington N.C. Benjamin Franklin Plaza, Suite 780 One South West Columbia Street Portland, Oregon 97258

Cable Address "KERRLINE"

Telex RCA 277303 360818

Telephone (503) 220-2500

DATE 18 FEBRUARY 1992

MS/SS ARTEM V-01

RE: RELEVANT CHARTER PARTY

Gentlemen,

I, the master of the captioned vessel wish to advise you that my vessel is entered at the customs house and is in all respects ready to commence $\frac{\text{XXXXXXXXXXX}}{\text{DISCHARGING}}$ in accordance with all terms, conditions and exceptions of the relative charter party as of $\frac{1}{35}$ hours $\frac{18}{35}$ FEBRYAM, 1992.

ACCEPTED: AS OF	HOURS Fele Shu a offart Toppers and	19 . 19 2. Duc .
ACCEPTED:	HOURS	, 19
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Kerr Steamship Company, Inc.

Atlanta Baitimore Boston Charleston Chicago Cleveland Cranford Dallas Detroit Fair Lawn Galveston Halifax N.S. Houston Jacksonville Long Beach Los Angeles Memphis Milwaukee Minneapolis Mobile Montreal New Orleans New York Norfolk Philadelphia Portland San Francisco Savannah Seattle Saint John N.B. St. John's N.F. St. Louis Toronto Vancouver, B.C. Wilmington N.C. Benjamin Franklin Plaza, Suite 780 One South West Columbia Street Portland, Oregon 97258 Cable Address "KERRLINE"

Telex RCA 277303 360818

Telephone (503) 220-2500

DATE 18 FEBRUARY 1992

MS/SS ARTEM V-01

RE: RELEVANT CHARTER PARTY

Gentlemen,

ACCEPTED:		ge / er
AS OF 10 10 PER ohn COMPANY Top	HOURS Fele 19 G & Hord specy Ind. Inc	. 19 8.
ACCEPTED: AS OF	HOURS	, 19
COMPANY		

HALL-BUCK MARINE, INC.

HM

P. 01

PO Box 83838*Portland, OR 97283*Fax (503) 285-4467*Telex (503) 285-0374*Phone (503) 285-2990

FAX TRANSMISSION

	r in the second of the second	
DATE:	Fri. 2/12/92	PAGE 1 OF 3
TO:	Trainmosters	FROM: Wanda McChesney
	BNRR-Vancourer	Railcan Coordinator
		HBM-PBT
CC;	John many	Koppers
	HBM mant.	
SUBJECT:	m/v " General Cabo	"- 55-60 jambo BN empties
NOTES/MES	ssaces:	for fencel petch looking.
Frist of all,	Dwille out of The office	on vacation next week when ellowing info is for your use and confirming con # '5.
in coordi	naturing releases to UPRR	and confirming con # 3.
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OPPERS	BURR/JUNBO BURR/JUNBO	BN 445265 BN 445223		07/13	07/16	BARNES					
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JPPERS JPPERS	BNRR/JUNBO BNRR/JUNBO	BN 450913 BN 450785		07/15 07/15			LAKYD?/KOP				
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IPPERS	BARR/JUHBO	88 458737		07/15			PARADI/KO5				
PPERS	BREE/JUKBO BREE/JUKBO	BN 450814 BN 450617		07/15		·	LARYD?/KOP	_ : الأسد		حنة أن أخت حدث الموس	
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PPERS	BERR/JUNBO	BR 450883		07/16			LAKYD?/KOP				
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PPERS	BHRR/JUNBO BHRR/JUNBO	BN 445395		07/16			FAKADS/KOB			<u> </u>	
PPERS	BERRIJUNBO	BR 439377		07/16			LAKYD?/KOP				
? 2 B R S	BNRR/JUKBO	BN 445140		07/16			LARYD?/KOP				
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Those 2 vessells

BURR XW 1626605 1426714 1220317 1120228 1720124 1240056. HALL-BUCK MARINE/PORTLAND -- DAILY BULLETIN --M/V LOADING SCHEDULE/RAILCAR MOVEMENT BEN LAUGHLINTTRAINMASTER - UPRR/PTLD - ALBINA/BARNES KEN RATCLIFF WYOMING/COLORADO TEAM OREGON TEAM - UPRR/OMAHA - UNIT TRAINS - UPRR/ST LOUIS - CUSTOMER SERVICE - UPRR/ST LOUIS - CUSTOMER SERVICE "07/27/92" PRI. 07/17/92 SCHEDULING PERIOD THRU WANDA WILL BE ON VACATION AND OUT OF THE OFFICE UNTIL MON. 7/27. THIS IS THE LAST DAILY BULLETIN UNTIL MON. 7/27. PLEASE KEEP IN CLOSE CONTACT WITH HEM/PBT MGMT TO COORDINATE SHIP SCHEDULES AND TRAIN SPOTS. !!!SPECIAL NOTE:!!! HERE'S THE LATEST VESSEL LOADING SCHEDULE AND TRAIN SPOTTING SCHEDULE AS "PROJECTED" AT THIS TIME. IN YOU HAVE "ANY QUESTIONS WHATSOEVER" PLEASE CONTACT HEM/PET MGMT IMMEDIATELY!! CURRENT VESSEL. ++SPOT ...FRI. 7/18-2200 Could the place of welled youkness NEXT VESSEL: ++SPOT ... MON. 7/20-1200 "GENERAL CABAL" - 50 BN JUMBO EMPTIES FOR PENCIL PITCH DISCHG
TO COMMENCE: WED. 7/22-0800...COMPLETE: PRI. 7/24-1700
40 BN JUMBOS
TO BARNES YARD: COORDINATE WITH HEM/PBT AND BNRR CONFIRMING
RELEASES/SPOT TIMES. NEXT VESSEL: OCEAN DUKE - 92 EN EMPTIEE FOR PENCIL PITCH DISCHO TO COMMENCE: FRI 1/24-1800 COMPLETE: SUN 7/26-1700 92 BN EMPTIES THUR 7/2 TO BARNES YARD: COORDINATE WITH HEM/PET AND ENER CONFIRM NEXT VESSEL! COORDINATE WITH REMOPET AND ENER CONFIRMING RELEASE/SPOT TIMES. "POLAR QUEEN" - 231 ANSAC SODA ASH
TO COMMENCE; MON. 7/27-0800. COMPLETE: TUE. 7/28-1700
ANSAC S/A ON SPOT CHEM/PET TO START THIS M/V
ANSAC S/A NOW CHEMTON (OCRBA09)....SUN. 7/26-1700
(TRACE; UP77433 UP78031)
ANSAC S/A NOW CHEMTON (OCRBA09)....MON. 7/27-1700
(TRACE; GRPX944470 UP78433)
ANSAC S/A NOW CHEMTON GREENRIVER (OGRBA16) TUE 7/28-0200
(TRACE NUMBERS UNAVAILABLE AT THIS TIME) ----NEXT VESSEL. ++SPOT ++SP01 ++8POT NEXT VESSEL: UPRR DELAYS ... PROBLEMS ... QUESTIONS ... NEED MORE INFO? -- CONTACT HEK/PET MGMT/WANDA @ 1-800-659-2990 -- (WANDA EMERGENCY PHONE 206-254-1309) -- SPOTTING INSTRUCTIONS ON ARRIVAL.
-- KEEP TRACK 724/MOLASSES LEAD CLEAR WHEN SPOTTING.
-- IMPORTANT YOU SEND SPOTSHEAT WITH SWITCHMAN OR PAX TO 285-4467.
-- HEM/PBT SUPT. TO CONTACT SARVES YARDHASTER AT THE BEGINNING OF YARDHSTR'S.

-IMPORTANT YOU SEND SPOTSHEET WITH SWITCHMAN OR FI-HEM/PET SUPT TO CONTACT BARNES YARDHASTER AT THE SHIFT WITH SPOTTING INSTRUCTIONS/PULL BEQUESTS

Koppers009521



INTEROFFICE CORRESPONDENCE

To:

KEN REGEL

From:

MARY NEAL

Location: K-1600

Location:

PORTLAND PLANT

Subject: WEIGHTS ON CARS TO VANALCO

Date:

August 18, 1992

THE FOLLOWING IS THE WEIGHTS OF THE 62 CARS SHIPPED TO VANALCO FROM THE "GENERAL CABAL".

BILL OF LADING	# KG-55103			
CAR #	GROSS	TARE	NET	TONS
BN-450814	243380	61400	181980	90.99
BN-445382	234380	60100	174280	87.14
BN-450913	234480	60600	173880	86.94
BN-450617	246680	62300	184380	92.19
BN-445368	228140	61200	166940	83.47
BN-450785	238300	61500	176800	88.40
BN-450611	245320	61700	183620	91.81
BN-450523	240800	62500	178300	89.15
BN-445370	219320	61000	158320	79.16
BN-450725	237960	60300	177660	88.83
BN-450891	219460	60700	158760	79.38
BN-450737	244640	60300	184340	92.17
TOTAL			2,099,260	1049.63
BILL OF LADING	KG-55104 ,			
BN-445301	249040	61300	187740	93.87
BN-450878	238420	61400	177020	88.51
BN-450938	247140	60700	186440	93.22
BN-450883	226720	60600	166120	83.06
BN-439415	242380	62300	180080	90.04
BN-450797	236540	61900	174640	87.32
BN-445311	232540	61000	171540	85.77
BN-450979	238420	60700	177720	88.86
BN-445357	228540	62000	166540	83.27
BN-450555	230420	62200	168220	84.11
BN-445270	248160	61100	187060	93.53
BN-450744	229300	60700	168600	84.30
BN-450977	235760	61000	174760	87.38
BN-450964	248920	61200	187720	93.86
BN-450622	246440	61800	184640	92.32
TOTAL			2,658,840	1329.42

PAGE -2-

BILL OF LADING # KG-55105

CAR #	GROSS	TARE	NET	TONS
BN-450899	249520	61500	188020	94.01
BN-439361	230600	61800	168800	84.40
BN-450714	243400	61400	182000	91.00
BN-445269	246900	60300	186600	93.30
BN-450733	235320	61300	174020	87.01
BN-450815	238700	60500	178200	89.10
BN-445148	249420	61900	187520	93.76
TOTAL			1,265,160	632.58
BILL OF LADING	KG-55106			
BN-450510	248900	61800	187100	93.55
BN-445173	251020	60600	190420	95.21
BN-450803	247940	61700	186240	93.12
BN-445133	253680	60700	192980	96.49
BN-439377	248280	62200	186080	93.04
BN-445356	245060	60600	184460	92.23
BN-445395	244260	60800	183460	91.73
BN-445140	250700	60900	189800	94.90
BN-450575	241600	62000	179600	89.80
BN-439195	255460	61100	194360	97.18
BN-439410	249000	62000	187000	93.50
BN-439373	246340	63100	183240	91.62
BN-439157	247320	61700	185620	92.81
BN-439138	247360	60700	186660	93.33
NP-75331	176500	60200	116300	58.15
TOTAL			2,733,320	1,366.66
BILL OF LADING	KG-55107			
GN-71551	195760	63100	132660	66.33
GN-71991	175560	61600	113960	56.98
NP-75320	180620	61200	119420	59.71
NP-75392	175520	60700	114820	57.41
TOTAL			480,860	240.43
BILL OF LADING	KG-55108			
BN-475016	193320	63700	129620	64.81
	177440		114940	57.47
BN-419375	177440	62500		
BN-419375 TOTAL	177440	62500	244560	122.28
		62500		
TOTAL		61800		
TOTAL BILL OF LADING	KG-55109		244560	122.28

PAGE -3-

BILL OF LADI	NG # KG-55110		_	
CAR #	GROSS	TARE	NET	TONS
BN-445313 BN-450739	223420 235560	60600 61500	162820 174060	81.41 87.03
TOTAL			336,880	168.44
BILL OF LADI	NG # KG-55111		•	
BN-450769 BN-439380 BN-450956	226460 244680 196020	60900 63800 60000	165560 180880 136020	82.78 90.44 68.01
TOTAL			482,460	241.23

PAGE -4-MASTER SHEET

BILL OF LADING	NET WEIGHT	TONS
KG-55103	2,099,260	1049.63
KG-55104	2,658,840	1329.42
KG-55105	1,265.160	632.58
KG-55106	2,733,320	1366.66
KG-55107	480,860	240.43
KG-55108	244,560	122.28
KG-55109	334,960	167.48
KG-55110	336,880	168.44
KG-55111	482,460	241.23
TOTAL	10,636,300	5,318.15

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauns

Report No.:

52530R

Surveyor:

PB

207 NE 83rd Street Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-1329

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

General Cobal

Voyage No.:

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY:

Pencil Pitch

Port of Portland

LIGHT DISPLACEMENT LOADED DISPLACEMENT

DATE:		24-Jul-92		22-Jul-92	
TIME:		18:00		7:00	
DIGNI A GIDATENIO					
DISPLACEMENT		•			
Draft Forward:		4.5212		5.5372	
Draft Aft:		5.5372		5.9817	
Midships-Port		4.9339		5.7484	
Midships-Starboard		4.9339		5.7484	
Mean of Means (Corrected)		4.9577		5.7512	
Corresponding Displacement:		9,543.96		11,244.01	
Trim Correction:		-24.31		-4.86	
Density Correction:	1.000	-232.19	1.000	-274.13	
Corrected Displacment:		9,287.46		10,965.02	
DEDUCTIONS:					
Fuel Oil:		672.33		111.68	
Diesel Oil:		109.17		24.10	
Fresh Water:		79.83		91.61	
Ballast Water:		4,200.23		1,315.58	
Others:					
TOTAL:		5,061.56		1,542.97	
LOADED DISPLACMENT:		9,422.05	M/Tons:	5,196.15	
LIGHT DISPLACEMENT:		4,225.90	L/Tons:	5,114.08	
TOTAL CARGO:	*****	5,196.15	S/Tons:	5,727.77	

Original Signed by Chief Officer

Chief Officer General Cobal Surveyor Peter Brauns

MARINE SURVEYS, INC.

207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

Capt. Peter J. Morrison Peter Brauns

DRAFT DISPLACEMENT SURVEY

REQUEST OF: KOPPER	DIZEN	Voyage No.: LOCATION:	
	INITIAL SURVEY		FINAL SURVEY
DATE:	7-22-92	-	7-24-92
TIME:	0700	-	/800
DISPLACEMENT			
Draft Forward:	5.5372		4.5212
Draft Aft:	5.9817	-	5,5372
Midships-Port		_	4.9339
Midships-Starboard Midships-Starboard	1 5.7484	_	4.4339
Mean of Means (Corrected)	5.7512	-	4,9577
Corresponding Displacement:	11244.01		9543.96
Trim Correction:	- 4.86	-	-24.3/
Density Correction:	-274.13		-232,19
Corrected Displacment:	1096SDZ		92.87.46
DEDUCTIONS:			
Fuel Oil:	111.68	-	672.33
Diesel Oil:	24,10	-	109,17
Fresh Water:	91.61	-	79,83
Ballast Water:	1315.58		4200,33
Others:		-	
TOTAL:	1542.97		5061.56
INITIAL DISPLACMENT:	9422.05	M/Tons:	519615
FINAL DISPLACEMENT:	4225.90	L/Tons:	5714,08
TOTAL CARGO:	5196.15	S/Tons:	5727.77
Chief Officer	-	Stateyor	
	9		

Scaport Marine Surveys, Inc. and the surveyor signing this report agree to use their best efforts in behalf of those for whom this survey is made, but it is expressly understood and agreed that this survey is undertaken and this report issued with the understanding that neither shall be liable for any errors or omissions, whether due to active negligence or otherwise, in excess of the actual charge made for this survey, and that any and all persons interested in or to be affected hereby accept this report on that basis.

Marine Surveys Inc.

Report No.:

5253OR

Surveyor:

PΒ

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-1329

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

Peter Brauns

General Cobal

Voyage No.:

5

REQUEST OF:

Capt. Peter J. Morrison

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY:

Pencil Pitch

Port of Portland

	LIGHT I	DISPLACEMENT	LOAD	ED DISPLACEMENT
DATE:		24-Jul-92		22-Jul-92
TIME:		18:00		7:00
DISPLACEMENT				
Draft Forward:		4.5212		5.5372
Draft Aft:		5.5372		5.9817
Midships-Port		4.9339		5.7484
Midships-Starboard		4.9339		5.7484
Mean of Means (Corrected)		4.9577		5.7512
Corresponding Displacement:		9,543.96		11,244.01
Trim Correction:		-24.31		-4.86
Density Correction:	1.000	-232.19	1.000	-274.13
Corrected Displacment:		9,287.46		10,965.02
DEDUCTIONS:				
Fuel Oil:		672.33		111.68
Diesel Oil:		109.17		24.10
Fresh Water:		79.83		91.61
Ballast Water:		4,200.23		1,315.58
Others:		,		
TOTAL:		5,061.56		1,542.97
LOADED DISPLACMENT:		9,422.05	M/Tons:	5,196.15
LIGHT DISPLACEMENT:		4,225.90	L/Tons:	5,114.08
TOTAL CARGO:	-	5,196.15	S/Tons:	5,727.77

Original Signed by Chief Officer

Chief Officer General Cobal arveyor Peter Brauns

SEAPORT MARINE SURVEYS, INC.

Capt. Peter J. Morrison Peter Brauns 207 N.E. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246

Office: (206) 574 - 7463

Fax: (206) 574 - 7284

DRAFT DISPLACEMENT SURVEY

VESSEL:	General Cabol	Voyage No.: OS
REQUEST OF:	KOPPERS	LOCATION:
COMMODITY:	PENCE PIZEY	
	TRANSPIRATE CRAINSPIRATE	THE LAW CHINAIPAL
TO A MITTI	INITIAL SURVEY	FINAL SURVEY
DATE:	7-22-92	7-24-92
TIME:	<u>0700</u>	
DISPLACEMENT		
Draft Forward:	5.5372	4.5212
Draft Aft:	5.9817	5,5372
Midships-Port		4.9339
Midships-Starboard Midships-Starboard	Convection 5.7484	4.9339
Mean of Means (Corrected		4.9577
Corresponding Displaceme		9543.96
Trim Correction:	4.86	-24.3/
Density Correction:	- 274./3	-232,19
Corrected Displacment:	1096502	9287.46
DEDUCTIONS:		
Fuel Oil:		672,33
Diesel Oil:	24.10	109,17
Fresh Water:	91.61	79.83
Ballast Water:	1315,58	4200,33
Others:		
TOTAL:	1542.97	5061,56
INITIAL DISPLACMEN	T: 9422,05	M/Tons: 5/9615
FINAL DISPLACEMENT		
TOTAL CARGO:	——————————————————————————————————————	
IOIAL CARGO:	5196.15	S/Tons: <u>5727,77</u>
~ 1		

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Marine Surveys Inc.

Capt. Peter J. Morrison

Peter Brauns

Report No.:

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Surveyor:

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-1329

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

General Cobal

Voyage No.:

5

REQUEST OF:

Koppers Company Inc.

LOCATION:

Berth 411

COMMODITY:

Pencil Pitch

LUCATION:

Port of Portland

	LIGHT	DISPLACEMENT	LOADEI	DISPLACEMENT
DATE:		24-Jul-92		22-Jul-92
TIME:		18:00		7:00
DISPLACEMENT				
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MARINE SURVEYS, INC.

Capt. Peter J. Morrison

Peter Brauns

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Office & 24 Hour: (503) 285 - 2246

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	cu pizer	• .
	INITIAL SURVEY	FINAL SURVEY
DATE:	7-22-92	7-24-92
TIME:	0700	/800
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Draft Forward:	5.5372	4,52.12
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Others:		
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FINAL DISPLACEMENT:	4225.90	L/Tons: 57/4, 08
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Chief Officer

Surveyor

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HALL-BUCK MARINE, INC.

PO Box 83838*Portland, OR 97283*Fax (503) 285-4467*Telex (503) 285-0374*Phone (503) 285-2990

TRANSMISSION

DATE:	Tues. 7/28/92	PAGE OF3
TO;	4	FROM: Wanda McCheaney
10:	John / many	
	Koppen	Railcan Capalinator
	(285-2831)	HBM-PBT
CC:	Phil Well	
00,	•	
	BHRR-Vancouver)
SUBJECT:	Final Diochara	e Report for m/V "General Cabol" TO Vanalco.
NOTES/ME:	SSACES. Bor Koppers	TO Vanalco.
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4	to meliard on pg. 2	of report are 3 jumbs cars pties.
^	atured to bring as	call.
2	If you have any que	stions, please give me a call.
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WE ARE TRANSMITTING ON A PANAFAX UF-400AD, (503) 285-4467.

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SHIPPER REMARKS	<u>C A</u>		WRIGHT SHIPPRO	PLACED_	YARD	LOADED	HOLI		~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· · · · · · · · · · · · · · · · · · ·
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PPERS BNRR/JUMBO	BN		07/15		*:	07/22-1	·	L		
PPERS BNRR/JUMBO	ÈN		07/13	07/16	Mallana an	07/24-1		2	·	
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PPBRS BNRR/JUMBO	BN		07/16			07/22-2				
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				DATE	B DATE	DATE	DATE			
SHIPPER	REHARKS	CAR	NUMBER	WRIGHT SHIPPE		YARD	LOADED	HOLD		
PPERS	BARR/JUMBO	BN	450891	47/1			97/22-1	1		
PPERS	BNRR/JUXBO	BN	450899		∛ * '}		07/22-2 07/22-1		• • •	
PPERS	BNRR/JUNBO BNRR/JUNBO	BN BR	450913 450938	07/15			07/22-2			
PPERS	BNRR/JUHBO	B N	450956	07/13			07/24-1	2		
PPERS	BNRR/JUKBO	8 N	450964	07/19			07/22-2	-		
PPERS	BNRR/JUKBO	BN	450975	\$7/1			07/24-1	2	1111	
PPBRS	BNRR/JUNBO	en	450977	07/20			07/22-2	1 & 2	i ·	•
PPERS	BNRR/JUNEO	BN	450979	07/10	Íi	· · · · · · · · · · · · · · · · · · ·	07/22-2	1 6 2	100 100 100 100 100 100 100 100 100 100	
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)LALUN	BNRR/SMALL	B N	475013	07/2:		RAISKIND	07/24-1	2		
LALUN	BNRR/SMALL	GR.	71551	.07/2			07/23-2	-		
LALUN	BRAR/SNALL	GN	71991	07/2:		11.13/11.21	07/23-2		.,	
FALUK	BNRR/SHAGE		7.5320				07/23-2	1 & 2		
)LALUK	BNRR/SXALL	NP_	75331	07/2			07/23-2	1 8 2		
) EALUK	BNRR/SMALL	N P	75392	67/2	2		07/23-2	1 & 2		
	SMALL CARS		8							
· .	LOADED	· . * - :		17.5		Page .			**************************************	
	FARLL 4180					•				
-	TOTAL CARS LOADED		63	5,196,15 H/P	EST. NT. DRAFT SUR				,	
	TONDO			***********	AVG : 10AU	D				
OLLOWING	CARS RETURNED) 	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- Company of the Comp		an an an an an an an an an an an an an an an an an an an		*********		~81:7:*;
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PPERS	BARRIJUMBO	BN	445145	A7/1	3 87 87 FT6	XIY	1000	ROLGAD	·	
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PPERS	BNRR/JUNBO	BN	445265	07/1		XYY		NOLOAD		
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SEAPORT MARINE SURVEYS, INC.

Capt. Peter J. Morrison Peter Brauns 207 N.B. 83rd Street Vancouver, WA 98665 U.S.A

Office & 24 Hour: (503) 285 - 2246 Office: (206) 574 - 7463

Pax: (206) 574 - 7284

DRAFT DISPLACEMENT SURVEY

VESSEL:	Seneral Cabol	Voyage No.:	005
REQUEST OF:	Koppers	LOCATION:	
COMMODITY:	PENCUL PIZEL		
	initial survey		FINAL SURVEY
DATE:	7-22-92	·	7-24-92
TIME:	6700	_	/800
DISPLACEMENT			
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Draft Aft:	5.9817		5,5372
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TOTAL CARGO:	5196.15	S/Tons:	
Chief Officer			

Scapest Marine Surveys, has and the surveyor algoing this sepon agues to use their test offers in behalf of three for where this survey is made, but it is expressly understood and aguest this survey is understood, and aguest this survey, and this report to understood with the understooding, that it is expressly understood, and aguest this survey, and this survey, and this survey, and this survey, and this survey, and this survey, and this survey, and the survey and all persons internated in or to be affected general scoops of a report on that have.

Marine Surveys Inc.

Capt. Peter J. Morrison Peter Brauna Report No.:

52530R

Surveyor:

PB

207 NE 83rd Street

Vancouver, WA 98665 USA

Office & 24 Hour: (503) 285-2246

Office: (206) 574-1329

Fax: (503) 574-7284

DRAFT DISPLACEMENT SURVEY

VESSEL:

General Cobal

Voyage No.:

5

REQUEST OF: COMMODITY: Koppers Company Inc.

LOCATION:

Berth 411

Pencil Pitch

Port of Portland

	LIGHT 1	DISPLACEMENT	LOADE	D DISPLACEMENT
DATE:		24-Jul-92		22-Jul-92
TIME:		18:00		7:00
DISPLACEMENT			•	
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Draft Aft:		5.5372		5.9817
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Diesel Oil:		109.17		24.10
Fresh Water:		79.83		91.61
Ballast Water:		4,200.23		1,315.58
Others:				
TOTAL:		5,061.56		1,542.97
LOADED DISPLACMENT:		9,422.05	M/Tons:	5,196.15
LIGHT DISPLACEMENT:		4,225.90	L/Tons:	5,114.08
TOTAL CARGO:	***************************************	5,196.15	S/Tons:	5,727.77

Original Signed by Chief Officer

Chief Officer General Cobal Surveyor Peter Brauns



NOTICE OF READINESS

•		
•	M/V _	CHENERAL CABAL
	Port: .	PORTLAND OREGON
	Date:	JULY 21, 1992
To: KOPPERS INDUSTRIES INC PITSBURG (name of charteres or shippers/receivers/notify party.)		
Dear Sirs,		
You are herewith notified that the M/V GENERAL CAE	BAL	
		OREGON
· · · · · · · · · · · · · · · · · · ·	cargo of LTCH 1992	in accordance
This notice of readiness is tendered as of1230 hrs.	. July	21, 1992
* Delete as appropriate.		our/date/month/year)
CAPT. CLARD D. YANEZ Master Master 7-22-9	MV	GENERAL CABA
(Hour/date/month/year) By authority and on behalf of Messrs	es	Industra
ohn a little (signature)	and mil	Mg.

Thomas Kamerer Reach

Facsimile From Fax No. 67-4998

Transmission

26th June 1992

Attention Mr. Walter Turner

Company Koppers Industries Inc.

Pittsburgh

Fax No

0011-1-412-227-2202

From

John Lowcock

Subject

5,000 Tonne Pitch Cargo - Dalian China to Portland Oregon

KOPPE

Area Code - within Australia: 049

A.C.N. 003 947 699 Woodstock Street, Mayfield P.O. Box 23, Mayfield, N.S.W. 2304

Telephone: 674777

Facsimile: 874998 Country Code: 61

Telex: 28223

Koppers Coal Tar Products Pty Limited

from overseas: 49

Walt,

We have now finalised the charter of the vessel 'General Cabal' to lift the above cargo:

Vessel details:

Vessel Name:

'General Cabal'

Description:

Single Deck Bulk Carrier

Flag:

Philippine

Year Built:

1976

Dead Weight:

11,980 Tonne

Draft:

7.92 M

LOA:

145.87

Beam:

19.60 M

Holds:

3

Hatches:

3

Laycan Dalian:

1st to 6th July 1992

ETA Dalian:

3rd July

Demurrage Rate:

USD.5,000/HD LTSBE

Cargo:

5,000 +/- 5% Charterers Option

We shall keep you advised on the vessel's progress.

John Lbwcock

Regards,

KOPPERS MIDS. 1177. POLITIANIA GR

JDL:MJM

Sent By:

Yvonne Murphy

Tel: (049) 674777 Total Pages:

P. 01

Levin

FAX NO. 049674998

Post-It™ brand fax transmittal memo 7671 # of pages >

Tolmas Xunxue Frem R Julygeus A

Co.

Dept. Phone #

Fax #

Fax #

KOPPERS

Koppere Coal Tar Products Pty Limited

from overseas: 49

P.O. Box 23, Mayfield, N.S.W. 2304 Telephone: 674777 Facsimile: 674998

Area Code - Within Australia: 049

A.C.N. 003 947 699 Woodstock Street, Mayfield

Country Code: 61

Telex: 28223

Date 17th Ju

17th July 1992

Attention Mr. Paul Thomas

Company Koppers Industries Inc.

Fax No

0011-1-412-227-2202

From

John Crawford

Subject

ETA 'General Cabal'

Thank you for your advice re the possible clash between the 'General Cabal' and the Korean vessel.

It has been suggested to the owners that the vessel sail at full speed in order to arrive first.

Jahn Erenforg/M

The current ETA of the 'General Cabal' is July 22nd.

Best regards,

John Crawford

JC:MJM

Sent By: Yvonne Murphy

Tel: (049) 674777 Total Pages:

A.C.N. 003 947 699

Telephone: 674777 Facelmile : 674988

Country Code: 61

Telex: 28223

Woodstock Street, Maylleld P.O. Box 23, Maylleld, N.S.W. 2304

Area Code - within Australia: 049

Koppers Coal Tar Products Pty Limited

from overseas: 49

(my)

Facisimile Transmission From Facs Nº. 67 4998

Date:

6 Jul 92

Attention:

Walter W. Turner

Company:

Koppera Industries Inc.

Face Nº.:

0011-1-412-227-2202

From:

W.K. Chan

SUBJECT:

m v 'General Cabal'

Dear Walt,

The vessel sailed from Dallan today, July 6th, with 5166.4 MT on board. ETA Portland is July, 23rd.

Regards,

Wing K. Chan

wko

copy to:

Amos Kamerer

P. J. Thomas

J. L. Schaum

K. J. Regel

K. J. Fitzgerald

Hopefully we will load most of, if not all, of the tonnage into rail cars for Vanalco.

W.W.T.

JUL 6 1992

Sent By:

wko

Telephone: (049) 67 4777

Total Pages: 1

P, 01

FAX NO. 049874998.

KOPPERS MAYFIELD

8-10L-92 MON 18:48

866449640

KOPPERS

ACCEPTANCE GCPY

. Koppers Coal Tar Products Pty. Ltd.

To C1-Post Office Box 23 Mayfield NSW 2304

Australia

Attention: John Crawford

Date May 29, 1992 Order No. OM2-1670-4 Sheet #1 (Sheet 1)

Continued on sheet

This order number must be shown on all shipments, invoices, correspondence, etc.

Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

Ship To:

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A.

RECEIVE

Invoice Instructions:

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED HATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE, LIST EACH SHIPMENT SEPARATELY.

Requisition No.	lnc	uiry JUN 1 2 1992	Account No.
ricquisition 140.	""	LANC	Account No.
	,	KOPPERS INDS., INC.	
Quantity		PORTLAND, OR Description	on
		iiii-	
		COAL TAR PENC	JIL PITCH
			" ON THE FRONT OR REVERSE SIDE ONSIDERED AS BEING "KOPPERS
		MUST BE GIVEN TO ADD ORDER, NOT THOSE PR	RESSES AND INSTRUCTIONS CONTAINED EPRINTED.
Quantity:	5500 Metric Tons (n	ot to exceed 5000 me	tric tons per shipment)
Price:	Short	Ton, F.O.B. Vessel,	Port of Portland
Source:	Anshan, China		
pecificatio	n: Softening Point	ASTM D 3104	108-113
	Toluene Insolub	le ASTM D 3671	20% minimum
	Quinoline Insol	uble ASTM D 2318	3 1/2 - 8 (prefer 5% minimum)
	Coking Value	ASTM D 2416	
	Specific Gravit	y ASTM D 71	1.30% minimum
	Distillation to	360 °C ASTM D 2569	
	Ash	ASTM D 2415	•
	Sodium		250 PPM maximum
	*Moisture		0.50% maximum
	level of 5% min Koppers Industr Pittsburgh, PA	imum. A pre-shipment ies, Inc UPARC, 10 15238, Attn: Paul	
	*0.5% maximum do	es not infer an avera	age moisture content

D. N. Sweet - K-1750

J. L. Schaum - K-1750.

Traffic Dept. - K-2050

J. Oxford - Portland Plant

K. J. Regel - K-1601

W. W. Turner - K-1601

Paul Stadel - U-PARC

John Crawford - KAP

L. F. Flaherty - K-1750

T-226 Rev. 15m 4-87

KOPPERS

Purchase Order

ACCEPTANCE COPY

Koppers Coal Tar Products Pty. Ltd.
 ToCl-Post Office Box 23
 Mayfield NSW 2304
 Australia
 Attention: John Crawford

Koppers requests that Seller furnish the goods and/or services listed below, subject to the terms on the face and reverse side of this order.

Ship To:

KOPPERS INDUSTRIES, INC. C/O PORT OF PORTLAND Portland, Oregon U.S.A.

Date May 29, 1992 Order No. 0M2-1670-4 Sheet #1 (Sheet 2) Continued on sheet

This order number must be shown on all shipments, invoices, correspondence, etc.

Invoice Instructions:

TA

SEND ORIGINAL AND DUPLICATE COPY OF INVOICE TO RECEIVING PLANT IN ENVELOPE MARKED "ATTENTION: ACCOUNTS PAYABLE". SHOW ABOVE ORDER NUMBER ON INVOICE. LIST EACH SHIPMENT SEPARATELY.

nequisition No	o.	inquiry No.	Account No.		
Quantity		Desc	cription .		
COAL TAR PENCIL PITCH					
elivery:	vessel to arrive	Portland about July	20.		
	Notification: 3 W. W. Turner, 160 402337)	Sailing date and ETA, Ol Koppers Building,	, 72 hour notice to Pittsburgh, PA 15219 (Telex		
ocumentati	a. Copy of of b. Bill of party or c. Copy of	iginator. invoice and analysis	issued by the charter of material should be		
	malled Wi	nen material is loade	ed into vessel.		
,					
•			•		
WT:rs	KOPPERS IS ENT COMMERCIAL COE		S PURSUANT TO THE UNIFORM		
KOPPERS COMP TAR AND WOO 1750 KOPPERS	D PRODUCTS SECTOR BLDG.	terms a	occepts this order at the price and subject to all indications specified hereon, or specifically brated by reference herein.		
PITTSBURGH, P	oment Date		s Name		
Seller's Shop O		Ву			
		Data			

286 3681

201 10-02

14:25

#136 P.01/03

KOPPERS INDUSTRIES

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663

Phone: (503) 286-3681 Fax: (503) 285-2831 Web Page: www.koppers.com

10: JAC	E Stephenson		DATE: 10/2/02	,
FROM:	Amos		TOTAL # OF PAGES: _3	
AHAC	hed Are the	- TCLP RE	sults on the	
Pitch	I coke from	tanks T-	501ts on the 65+ T-68-	<u>-</u>
			link -	_
		1		. :
				File
				• •

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX:# 503-285-2831

and the state of the second contract of the contract of the contract of the second of



CERTIFICATE OF ANALYSIS (DRAFT)

CLIENT: Koppers Industries, Inc.

7540 NW St. Helens Road Portland OR, 97210-3663

ATTN: Amos Kamerer

PHONE: (503) 286-3681

FAX: (503) 285-2831

PROJECT NAME: Pitch Coke: TCLP Test

SUBMITTED: 09/18/02 14:06

CI SAMPLE	CLIENTS ID#	•		DATE	TIME N	ATRIX			
2091A02-01	DRAFT: Tank 6S Pitch Coke			09/16/2002 0000 Other(Sld)					
REPORT DATE	10/02/02 14:53	REPORT NU	MBER:	209180	2			P/	AGE: 1 OF 2
Samplej Analysis	METHOD	PARAMETER	RESUL	.TS	UNITS	DETECTION LIMIT	TECH	DATE/TIME	
2091802-01	SAMPLE ID: DRAFT:	Tank 65 Pitch Coke							
DRAFT: Toxicity	Characteristics Leed	hate Procedure (TCLP) Metals							
ARSENIC, TCLP -	EPA 200.7/60108	ARSENIC	ND		mg/L	0.010	GW	08/26/2002	14:39
BARIUM, TCLP - ICP		BARIUM	1.5		mg/L	0.020	GW	09/26/2002	14;39
CADMUM, TCLP -		CADMIUM	ND	ar i agran a ar aban a a r	mg/L	0.020	GW	09/26/2002	14:39
CHROMIUM, TCLP	-	CHROMIUM	OM		mg/L	0.010	G₩	09/26/2002	14:39
LEAD, TOLP - ICP		LPAD	0,29		mg/L	0.040	GW	09/26/2002	14:39
SELENRIM, TOLP -		SELENIUM	ND	<u> </u>	mg/L	0.070	GW	09/26/2002	14:39
SILVER, TOLP-ICE		SILVER	ND		mg/L	0.080	GW	09/26/2002	14:39
DRAFT: Toxicity	Characteristics Lead	thate Procedure (TCLP) Mercury				***************************************			·····
MERCURY, TOLP - CVAA	•	MERCURY	ND	÷	mg/L	0.00003	GW	09/27/2002	06:48
DRAFT: Volatile	Organics by Gas Ch	romatography/Mess Spectroscopy							
TOLP VOLATILES	EPA 8260	BENZENE	ND		mp/L	0.0001	PA	09/20/2002	17:23
		CARBON TETRACHLORIDE	ND		mg/L	0.0001	PA	09/20/2002	
		CHLOROBENZENE	ND		mg/L	0.0001	PA	09/20/2002	17:23
		CHLOROFORM	0.0009		mg/L	0.0001	PA	09/20/2002	17:23
		1,4-DICHLOROBENZENE	ND		mg/L	0,0001	PA	09/20/2002	17:23
		1,2-DICHLOROETHANE	ND		mg/L	0.0001	PA	09/20/2002	17:23
		1,1-DICHLOROETHENE	ND		mg/L	0.0001	PA	09/20/2002	17:23
		METHYL ETHYL KETONE	ND		mg/L	0.0006	PA	09/20/2002	17:23
		TETRACHLORDETHYLENE	ND		mg/L	0.0001	PA	09/20/2002	17:23
		TRICHLOROETHENE	ND		mg/L	0.0001	PA	09/20/2002	17:23
		VINYL CHLORIDE	ND		mg/L	0,0001	PA	09/20/2002	17:29
		Surrogate: Dibromofluoromethane	98.8 %		%RECOVER	F 50-150			
		Surrogate: Fluorobenzene	98.8%		%RECOVER	Y 50-150			
•		Surrogate: Chlorobenzene-d5	102 %		%RECOVER	£ 50-150			
		Surregate: 1,4-Dichlorobenzene-d4	90.1 %		%RECOVER	50-150			
DRAFT: Semi-V	olatile Organics by G	as Chromatography/Mass Spectros	CODY						······································
TICLIP ACID SEMIVOL	EPA 8270	O-CRESOL (2-METHYLPHENOL)	ND		mg/L	0.011	RVM	10/02/2002	14:25

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DRAFT REPORT - DATA SUBJECT TO CHANGE

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone: (503) 286-9464 Fax: (503) 286-5355 E-mail: lab@ColumbiaInspection.com



CERTIFICATE OF ANALYSIS (DRAFT)

REPORT DATE	10/02/02 14:5	REPORT I	NUMBER:2091	B02			PAGE: 2 OF
SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
2091802-01	SAMPLE ID: DRAF	T: Tank 65 Pitch Coke					
DRAFT: Semi-Ve	olatile Organics by	Gas Chromatography/Mass Spec	troscopy				
TCLP ACID SEMIVOL	EPA 8270	M-CRESOL (3-METHYLPHENOL)	ND	mg/L	0.011	RVM	10/02/2002 14:25
		P-CRESOL (4-METHYLPHENOL)	ND	mg/L	0.011	RVM	10/02/2002 14:25
		PENTACHLOROPHENOL	ND	mg/L	0.011	RVM	10/02/2002 14:25
		2,4,5-TRICHLOROPHENOL	ND	mg/L	0.011	RVM	10/02/2002 14:25
		2,4,8-TRICHLOROPHENOL	ND	mg/L	0.011	RVM	10/02/2002 14:25
		Surrogate: Phenol-d6	31.2 %	%RECOVERY	50-150		•
		Surrogate: 2,4,8-Tribromophenol	94.696	%RECOVERY	50-150		
TCLP BIN SEMIVOL		2,4-DINITROTOLUENE	ND	mg/L	0.21	RVM	10/02/2002 14:04
		HEXACHLOROBENZENE	ND	mg/L	0.11	RVM	10/02/2002 14:04
		HEXACHLOROBUTADIENE	ND	mg/L	0.11	RVM	10/02/2002 14:04
		HEXACHLOROETHANE	0.14	mg/L	0.11	RVM	10/02/2002 14:04
		NITROBENZENE	ND	mg/L	0.11	RVIV	10/02/2002 14:04
	• ,	PYRIDINE	ND	mg/L	0.11	RVM	10/02/2002 14:04
		Surrogate: 2-Fluorabiphenyl	86.0 %	%RECOVERY	50-150		
		Surrogate: Nitrobenzene-05	85.3 %	%RECOVERY	60-160		
•		Surrogato: p-Terphenoi-d14	82.9 %	**RECOVERY	50-150		

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DRAFT REPORT - DATA SUBJECT TO CHANGE

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone: (503) 286-9484 Fax: (503) 286-5355 E-mail: lab@ColumbiaInspection.com



INTERUE. CE CORRESPONDENCE

To:

Distribution

From:

N. J. Prepelka

Location:

Location: K-1800

Subject:

Date:

Regulatory Determination

Tar Tank Residues

April 7, 1997

Distribution

R. D. Collins	K-1700
S. T. Smith	K-1800
W. E. Swearingen	K-1800
D. P. Traviss	K-1701
W. W. Turner	K-1600
T. J. Wojtowicz	K-1650
K. Fitzgerald	Stickney
T. Golubic	Follansbee
A. Kamerer	
J. Morris	Woodward Tar
R. Ross	Monessen
J. Burkhart	Woodward Coke
D. Q. Wible	Clairton

Attached, please find the recently completed regulatory determination for tar tank residues from Coke, By-product and Recovery, and Tar Refining facilities. As part of the ongoing process at each of the above mentioned facilities, residues or "heels" are created in the tar storage tanks. Traditionally, these materials, listed as either K142 or K147 (depending upon the source) would be managed as hazardous wastes. The Environmental Protection Agency ("EPA") allowed these materials the same Federal exclusion that was adopted for Tar Decanter Sludge (K087) previously. In doing so, KII tar and coke plants could recycle tar tank residues back into the "industry" on- or off-site, as long as they are not land disposed.

Coke plants have traditionally used the "direct recycle" exclusion for any such residual materials recycled back to the batteries. This exclusion still stands, but there are special issues relating to the Federal exclusion for wastes that are created in or managed in Pennsylvania. The Federal exclusion from solid waste only mirrors the Pennsylvania exclusion from hazardous waste. Further, the Pennsylvania Department of Environmental Protection ("DEP") created a new waste category in 1993. This category was called "residual waste" and such tar tank residuals would fall into this category, barring two major exclusions -- direct recycle or coproduct determination.

Memo to Distribution Regulatory Status Determination Tar Tank Residues Page 2

While coke plants are able to generally take the "direct recycle" exclusion, tar plants normally do not have the same ability, unless they recycle the residues to tar. If a tar plant ships tar tank residue to Pennsylvania for recycle or generates the residuals in Pennsylvania, the following determination yields great value. It has been determined in the attached document that tar tank residues are "coproducts" under the Pennsylvania residual waste regulations. With this determination, these materials may be shipped off-site from the generator to the "industry" without hazardous or residual waste manifests.

The detailed explanation and analysis of this issue may be found in the attached document. This document should be kept on file at any facility that uses this specific exclusion and determination. Also, it may be helpful to keep this document handy during any tar tank residue cleanup and recycle effort, regardless of the disposition of the material or the managing State.

If you have any questions or concerns regarding this determination, please notify me immediately. I will incorporate or further explain any issues that are unclear.

MI nepelho

Regulatory Status Determination

Tar Tank Residues

Koppers Industries, Inc. Nathan J. Prepelka, R.E.M.

Background

There are certain materials or residuals at the various Koppers Industries, Inc. ("KII") coke-making, coke oven by-product and recovery and tar refining facilities that is created in Tar Storage Tanks. Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal carry the Environmental Protection Agency ("EPA") hazardous waste listing of K142 if discarded. Likewise, tar storage tank residues from coal tar refining carry the EPA hazardous waste listing of K147 if discarded. These residues are both similar to what is commonly referred to as Tar Decanter Sludge or K087 if discarded.

It is the purpose of this document to examine the past and current exclusions and definitions regarding the above residues.

Federal Exclusion

On June 22, 1992, the EPA issued a Final Rule in which they allowed the exclusion "...from the definition of solid waste those coke by-product residues that are recycled by being: (1) Returned to coke ovens as a feedstock to produce coke; (2) returned to the tar recovery process as a feedstock to produce tar; or (3) mixed with coal prior to coal tar refining or sale." Further, the EPA specifically excluded K087 from the definition of hazardous waste in this manner. Upon promulgation of this rule, both residues that are hazardous because they exhibit the Toxicity Characteristic ("TC") of 40 CFR 261.24 and K087 (Tar Decanter Sludge) were excluded if managed in the above manner. The only condition of this exclusion is on "...there being no land disposal of the recycled material."²

The KII coke, coke by-product and tar refining plants that operate in jurisdictions that are regulated under States adopting this rule without further limitations are able to take advantage of the Federal exclusion. This final rule allowed for the TC

¹ Federal Register, Vol. 57, No. 120, Monday, June 22, 1992, 27880.

² ld.

hazardous residuals and K087 material to maintain the exclusion if the materials are recycled back into the "industry" and not land disposed. If a release occurred during this process, the resulting material, if a TC hazardous residual, would necessitate a new analysis of the soils or medium into which it was spilled, and, if a K087 material, would be considered K087 waste under the "Mixture Rule".

On August 18, 1992, the EPA amended "...its regulations under the Resource Conservation and Recovery Act (RCRA) by listing as hazardous seven wastes generated during the production, recovery, and refining of coke by-products produced from coal." Included in this new list of seven materials was K142 and K147. The EPA also amended and clarified the exclusion allowing these materials to be excluded from the definition of a solid waste if, as discussed previously, they are recycled into the industry and not land disposed.

There have arisen questions regarding what is referred to as in the "industry" and whether manifests are required for off-site shipments. Firstly, in the "industry" is a term used to express in shorter terms the three criteria of the recycle exclusion. Specifically, the material is recycled in the industry if it is returned as a feedstock to the coke ovens, returned as a feedstock to the tar recovery process or mixed with coal tar prior to refining or sale.

Additionally, the EPA states that "...if the terms of the exclusion are satisfied, coke by-product plant residues shipped off-site for recycling need not be accompanied by a manifest because they are not solid wastes and, therefore, not hazardous wastes." Likewise, the tar refiners may ship theses residues off-site without a manifest, provided they are managed in the proscribed manner.

Pennsylvania Exclusion

Revised hazardous waste regulations for Pennsylvania's Department of Environmental Protection ("DEP") were proposed on November 11, 1995, adopted on October 15, 1996 and became final on January 11, 1997. Under these revisions came the expected update of the exclusion under paragraph 24 of 25 PA §261.4 Exclusions. Though, when the seven newly-listed hazardous wastes were Federally added and, if recycled, excluded in 1992, Pennsylvania did not adopt the exclusion into its regulations. Under these most recent amendments, these

³ Federal Register, Vol. 57, No. 160, Tuesday, August 18, 1992, 37284.

⁴ Id. at 37298.

hazardous wastes are allowed the same exclusion that K087 and TC hazardous residuals have enjoyed for the previous four (4) years.

There is one major difference between the Federal exclusion that remains at most of the KII coke, by-product and tar refining facilities and those facilities that are located in Pennsylvania. Namely, Pennsylvania did not exclude these materials from the definition of a "solid" waste, as was the case in the Federal Regulations. Instead, Pennsylvania only excluded these residues from the definition of a "hazardous" waste.

If these residues are managed in the intended manner and not land disposed, they are not labelled as hazardous wastes and, indeed, do not need to be shipped under a hazardous waste manifest if taken off-site. But, under 25 PA §287, these tar tank residues (K142 and K147) may be considered Residual Wastes. This new classification of wastes came about in 1993 and acted as a catch-all to the waste generation laying in between hazardous and municipal.

Under 25 PA §287, a residual waste is defined as:

Garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous.

The major exclusion that applies across the board is direct recycling. Material that is directly recycled or reused on-site in an ongoing manufacturing or industrial process by the generator of the material, without treatment or processing or release into the environment is not a waste, hazardous or otherwise. This allows these residuals to be recycled back into the process on-site without adoption of either the hazardous waste or residual waste designations. If K147 or K142 materials are directly recycled *on-site*, either back to the coke ovens, the tar process, or the tar prior to sale, they meet the exclusion.

Materials that are sent off-site clearly do not meet this important exclusion. It is necessary to determine whether these residues are coproducts, and, if indeed they are, they are not residual wastes, whether manage on- or off-site. Under 25 PA § 287.1 Definitions, a Coproduct is:

(i) A material generated by a manufacturing or production process, or an expended material, of a physical character and chemical composition that is consistently equivalent to the physical character and chemical composition

of an intentionally manufactured product or produced raw material, if the use of the material presents no greater threat of harm to human health and the environment that the use of the product or raw material.

- (ii) The term only applies to one of the following:
- (A) If the material is to be transferred in good faith as a commodity in trade, for use in lieu of an intentionally manufactured product or produced raw material, without processing that would not be required of the product or raw material, and the material is actually used on a regular basis.
- (B) If the material is to be used by the manufacturer or producer of the material in lieu of an intentionally manufactured product or produced raw material, without processing that would not be required of the product or raw material, and the material is actually used on a regular basis.
- (iii) A waste may become a coproduct after processing if it would otherwise qualify as a coproduct.
- (iv) A person producing, selling, transferring, possessing or using a material as a coproduct has the burden of proving, by a preponderance of evidence, that the material is a coproduct, and not a waste.

From the citation above, the following issues must be addressed.

- 1. Is the physical character and chemical composition of K142 and K147 consistently equivalent to that of an intentionally manufactured product or produced raw material?
- 2. Does the use of K142 and K147 present no greater threat of harm to human health and the environment than the use of the product or raw material?
 - 3. Is K142 and K147 transferred in good faith as a commodity in trade?
- 4. Is the transfer of K142 and K147 for use in lieu of an intentionally manufactured product?
- 5. Is no additional processing of the K142 and K147 above and beyond the product or material that is replaced required?
 - 6. Are the K142 and K147 materials used on a regular basis?

Each of these questions will be answered in sequence. If the answer of all six (6) questions is "yes", then the materials will have satisfied the required elements of a coproduct.

1. Is the physical character and chemical composition of K142 and K147 consistently equivalent to that of an intentionally manufactured product or produced raw material?

K142 and K147 tar tank residues consist of coal, coke and coal tar particles and are consistently equivalent with the makeup of bituminous coal, the primary raw material in a coke plant. Tar tank residues are, without as much moisture, equivalent to the tar decanter sludge, K087, which is also fed into the coke batteries. Also, the high carbon content of this tank residue is consistently equivalent to other raw materials, and the EPA has recognized "...that coke, coal tar, and sludge arise from a single process, are similar materials, and contain the same constituents." ⁵

Further, the EPA "...believes that since by-product residues are generated from the same process as the coke, coal tar, and K087 sludge, and contain the same constituents as other residual streams such as K087, the by-product residues will behave in a similar way, chemically, to K087 when recycled to coke ovens or mixed with coal tar." K147, tar tank bottoms at a Tar Refining facility, are also expressly noted for the similarity. The EPA has determined that the "...residues have constituents similar to K087 and are similarly amenable to recycling to the coke oven."

2. Does the use of K142 and K147 present no greater threat of harm to human health and the environment than the use of the product or raw material?

As stated above, tar tank residues are consistently equivalent to bituminous coal in their constituents. Though, unlike coal, tar tank residues pose lessor threat of dust inhalation and similar pollution episodes. The EPA states that the "...recycling of this material causes no statistically discernible increase in concentration of toxic constituents in the coke ultimately produced, or in the feed to coke ovens (when

⁵ RCRA Docket, CBPF-S0001, August 1, 1992, 73.

⁶ Federal Register, Vol. 57, No. 120, Monday, June 22, 1992, 27884.

⁷ Id. at 27885.

the by-product residues are added to coke-oven feedstock)."⁸ Also, the EPA believes that "... the recycling of TC characteristic residues does not appear to have a significant effect on the concentration of metals and organic constituents in the final coke and coal tar products. In addition, recycling of these residues will not affect emissions from the coke ovens and blast furnaces."⁹ Thus, K142 and k147 present no greater threat of harm to human health and the environment than coal does.

3. Is K142 and K147 transferred in good faith as a commodity in trade?

Historically, there have been contracts between tar refiners and coke plants for the use of this material, purchased at the same rate as coal. As KII owns coke plants, by-product plants and tar refining plants, this material is transferred in good faith between the facilities as a direct substitute for coal.

4. Is the transfer of K142 and K147 for use in lieu of an intentionally manufactured product?

The EPA believes "...that the practice of reinserting these residuals into coke ovens serves to replace the raw material (i.e., coal)."¹⁰ Though the EPA was speaking of tar decanter sludge, K087, at this point, we have already established that tar tank residues, tar decanter sludge and coal are consistently equivalent. So K142 and K147 are used in lieu of an intentionally manufactured product.

5. Is no additional processing of the K142 and K147 above and beyond the product or material that is replaced required?

K142, K147, K087 and coal all must go through the same processing in order to effectively use them in the batteries. Size reduction and addition of petroleum distillate for bulk density control are the only steps that these materials may go through prior to insertion. "The Agency recognizes that prior processing of residues is necessary to obtain a homogenous material suitable for charging to a coke oven with coal or mixing with coal tar. Therefore, this processing is

⁸ Id. at 27884.

⁹ Id. at 27886.

¹⁰ Federal Register, Vol. 56, No. 144, Friday, July 26, 1991, 35777.

considered an integral part of the recycling process itself..." No additional steps are needed when dealing with tar tank residues.

6. Are the K142 and K147 materials used on a regular basis?

Historically, all materials that are generated from the coking process may effectively be returned to the coke battery. Also, Koppers has practiced this type of recycling activity of tank residues for many years. Indeed, the EPA "...encourage[s] not only the recycling of coke by-products wastes at operational facilities but also the remediation of these materials where they have been found in sufficient quantities in the environment (e.g., abandoned sites)." This historical and industry-wide usage indicates that the materials are used on a regular basis.

Coproduct Determination

As the above question were all answered in the positive, it is proven that K142 and K147 meet the DEP definition of a Coproduct and will be managed as such. This document will be retained at all the facilities that employ this practice and maintain this determination in order to satisfy the burden of proof required in the regulation.

Conclusion

Both K142 and K147, when recycled back to the tar or the coke batteries and not land disposed, are neither hazardous waste nor residual waste. These materials are excluded from both the Federal and Pennsylvania definitions of a hazardous waste, and, through the above coproduct determination, are excluded from the Pennsylvania definition of a residual waste. Indeed, there is no better management practice of these residuals. It is important to note, however, that if these materials are used for fuel or otherwise discarded, they must be managed as hazardous waste under the appropriate listing.

Tar tank residues will continue to be produced at tar and by-product plants, as the heavier, high-carbon material slowly settles in the storage tanks. The nature of this process creates difficulties with waste minimization options at the point of

¹¹ Federal Register, Vol. 57, No. 160, Tuesday, August 18, 1992, 37298.

¹² Id.

generation. As a secondary option, this determination allows the safe and environmentally sound practice of managing these materials.

This Regulatory Determination document should be kept in the appropriate environmental and operational files at those facilities using the practices described above. It is important, and, in Pennsylvania, necessary to keep proof of these types of determinations for submittal to the DEP or governing environmental agency.

Questions and concerns regarding this determination or its analysis should be submitted to the KII Corporate Services Group - Environmental Section.

REM 7892



ENVIRON. JENTAL SERVICES

Send To: Tar and Coke Plants From: W. E. Swearingen

Location: See Below Location: K-1800

Subject: Recycling Exclusion - Notice to File Date: September 16, 1997

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K. J. Fitzgerald; Stickney

A. S. Kamerer; Portland M. A. Cilley; Stickney

Note to Amos: This does not apply to Portland operations! Sent to you for info only!!!

When the Coke By-Product waste listing was promulgated as a final rule in August 1992, it established an exclusion to the RCRA rules if the listed wastes were recycled to the coke ovens or to the tar refining process provided that these materials were not managed in any type of land based unit. Another provision required the placement of a one-time notification in the plant files noting the solid waste exclusion and the disposition of the listed materials.

During a recent tar plant RCRA inspection, an inspector asked to see the subject notice to file. The file could not be found. I have called other plants to see if this document is readily available. To date, it appears that such a document is difficult to find. I urge everyone to search your files and locate this document and have it available for a possible RCRA inspection.

In consideration of the fact that you may be subject to a RCRA inspection and not be able to find this document, I have developed an appropriate "Notice To File" specific to your plant that satisfies this requirement. Please place this "Notice" in your RCRA file and keep it readily available. Continue to look for the original "Notice". If you find it, keep both "old" and "new" documents in the same place. There is no penalty for having two "Notices", but there could be a penalty for having none.

If you have any questions, please call me at 227-2883.

W. E. Swearingen

Enclosure

cc: R. D. Collins; K-1700

W. W. Turner; K-1600

T. J. Wojtowicz; K-1650

S. T. Smith; K-1800

N. J. Prepelka; K-1800

J. N. Cox; DM&C

OPTION IV

Waste Excluded Subsequent to Point of Generation

[Ref. 40 CFR 268.7(a)(6)]*



NOTICE TO FILE

	Your Name Your Address	ID #:	Your Generators' ID #
	**************************************		********
Generating	process:		
Waste ID #(
If this was		sed as hazar	**************************************
This waste	stream is not sub	ject to lan	**************************************
	_	-	tion, it is excluded:
			CFR 261

The ultimat	e disposition of th	is waste is:	

* A "one-time" notice must be placed in your facility's file for any land disposal restricted waste which becomes excluded from regulation after the point of generation. This suggested form was prepared by Lion Technology. You may use any format which complies with 40 CFR 268.7(a)(6) requirements.

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Lion Technology Inc. Lafayette, NJ 07848

16.53

LDR Documentation: One-Time Notice To File



Any generator of hazardous waste must determine if his waste is a land disposal restricted (LDR'd) waste. This determination is made at the point of generation of the waste. If a hazardous waste exists and is LDR'd at the point of generation, some form of LDR documentation must be prepared.

There are several regulatory provisions that will exclude waste from RCRA regulation at some time <u>after</u> the point of generation.

A One-Time Notice to File (NTF) is a special type of LDR document which is used for wastes which were land disposal restricted at the point of generation, existed as a land disposal restricted waste, and were subsequently excluded from RCRA hazardous waste regulation by one of the provisions found at 40 CFR 261.2 - 261.6. The purpose of the One-Time NTF is to document the fact that a hazardous waste existed, was land disposal restricted, but was then excluded from regulation. The NTF must be kept on file at the generating facility. In this way, the generator demonstrates that his land disposal restricted waste is not being illegally land disposed.

Examples:

- At the point of generation, a waste is determined to exhibit the corrosivity characteristic (D002), and is therefore a hazardous waste. It is also land disposal restricted, having a specific treatment standard published at 40 CFR 268.42. The waste is piped to an on-site wastewater treatment unit, where it is treated under a permit-by-rule (40 CFR 265.1(c)(10)). The treated wastewater is then discharged via a Clean Water Act permitted point source, at which point it is excluded from RCRA regulation by 40 CFR 261.4(a)(2). A One-Time NTF must be prepared and kept on file to document the generation and subsequent exclusion of the waste. Any sludge generated in the wastewater treatment unit is a new waste, which must be identified at the point it leaves the wastewater treatment unit.
- A trichloroethylene (TCE) degreasing tank is emptied of spent solvent. At the moment the material leaves the tank, it is an F001 hazardous waste, and is also land disposal restricted. The waste is placed in properly marked drums in a "90-day" accumulation area on site. Before the ninety days expire, the material is reclaimed on site in a distillation unit. The reclamation process itself is excluded from RCRA regulation at 40 CFR 261.6(c)(1), and the solvent which is recovered for reuse is excluded by 261.3(c)(2)(i). A One-Time NTF must prepared and kept on file at the facility to account for the disposition of the spent solvent. The still bottom generated from the reclamation process is a new waste which must be identified when it leaves the distillation unit.

Continued...

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LDR Documentation: One-Time Notice To File (Continued)

A facility involved in a gold plating operation using cyanide empties the residue from the bottom of the plating bath. The facility determines that the residue contains "economically significant" quantities of gold and decides to send the material to a precious metals reclaimer. Precious metals reclamation is a form of "partially regulated" recycling, with special rules found at 40 CFR 261.6(a)(2)(iv) and 266.70. These rules allow that the material is never a waste as long as it is not speculatively accumulated (see Section 8). Records must be kept to document that it is not accumulated speculatively.

Since the material was never a waste, it cannot be hazardous waste. The LDRs do not apply, therefore no LDR documentation is required.

If a LDR'd waste that does not meet the specified standards is being sent off site, a "notification" must be prepared as per 40 CFR 268.7(a)(1).

If a LDR'd waste is land disposed, it must meet <u>all</u> applicable treatment standards prior to land disposal, and a "certification" document must be prepared by the person certifying the waste for land disposal as per 40 CFR 268.7(a)(2).

OPTION V – Notice to Agency and Certifications to File Debris Treated to Exemption Levels [Ref. 40 CFR 268.7(d)]*



Lafayette, NJ 07848

CERTIFICATION TO FILE

(FOR EACH SHIPMENT OF TREATED DEBRIS) Example

Regarding the following	ng Hazardous debris:
Generating process:	
Quantity shipped:	
Treated by (method): _	
Shipped for disposal t	:0:
accordance with the re there are significant	y of law that the debris has been treated in equirements of 40 CFR 268.45. I am aware that penalties for making a false certification, ity of fine and imprisonment.
(Signature Required) Signature	Date
compliance with applicant A log of key operating	inspection/evaluation/analysis) documenting able standards from 40 CFR 268.45 is attached. parameters used in this treatment process is
 A "one-time" notice must be sent to the facility or a different debris is treated or a 	**************************************
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	Continued
Lion Technology Inc.	16.57

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OPTION V - CONTINUED

YOUR LETTERHEAD EXAMPLE

DATE

Agency Person 25 State Street Capital, USA

Dear Person:

This is to notify you, pursuant to 40 CFR 268.7(d)(1), that {COMPANY NAME} intends to treat the 'hazardous debris' identified below to attain exclusion from hazardous waste regulation as specified at 40 CFR 268.45 and 40 CFR 261.3(e)(1). Once treated, this debris will be disposed of at the following Subtitle D facility:

Facility Name: Address:							
As	initially	generated,	the	hazardous	debris	consists	of:
and	would be id	dentified by	EPA h	azardous wa	ste ID n	umber(s):	
		·····			 		
		sion from recaste with the				iste, we wi	ll be
[Re	f. 40 CFR 2	68.45, Table	1]				
	cerely, gnature Opt	ional)	[Date:			

* A "one-time" notice must be sent to the US EPA or approved state. Notice must be updated if the debris is shipped to a new facility or a different debris is treated or a different treatment technology is used.

Certification must be placed in your facility's files for each shipment of treated debris.

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40 CFR 268.7 Testing, tracking, and recordkeeping requirements for generators, treaters, and disposal facilities.

[§268.7 heading revised at 62 FR 26019, May 12, 1997, effective Aug. 11, 1997]

- (a) Requirements for generators:
- (1) Determine if the waste has to be treated before being land disposed, as follows: A generator of a hazardous waste must determine if the waste has to be treated before it can be land disposed. This is done by determining if the hazardous waste meets the treatment standards in §268.40 or §268.45. This determination can be made in either of two ways: testing the waste or using knowledge of the waste. If the generator tests the waste, testing would normally determine the total concentration of hazardous constituents, or the concentration of hazardous constituents in an extract of the waste obtained using test method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as referenced in §260.11 of this chapter, depending on whether the treatment standard for the waste is expressed as a total concentration or concentration of hazardous constituent in the waste's extract. In addition, some hazardous wastes must be treated by particular treatment methods before they can be land disposed. These treatment standards are also found in §268.40, and are described in detail in §268.42, Table 1. These wastes do not need to be tested (however, if they are in a waste mixture, other wastes with concentration level treatment standards would have to be tested). If a generator determines they are managing a waste that displays a hazardous characteristic of ignitability, corrosivity, reactivity, or toxicity, they must comply with the special requirements of §268.9 of this part in addition to any applicable requirements in this section.
- (2) If the waste does not meet the treatment standard: With the initial shipment of waste to each treatment or storage facility, the generator must send a one-time written notice to each treatment or storage facility receiving the waste, and place a copy in the file. The notice must include the information in column "268.7(a)(2)" of the Generator Paperwork Requirements Table in §268.7(a)(4). No further notification is necessary until such time that the waste or facility change, in which case a new notification must be sent and a copy placed in the generator's file.
 - (3) If the waste meets the treatment standard at the original point of generation:
- (i) With the initial shipment of waste to each treatment, storage, or disposal facility, the generator must send a one-time written notice to each treatment, storage, or disposal facility receiving the waste, and place a copy in the file. The notice must include the information indicated in column "268.7(a)(3)" of the Generator Paperwork Requirements Table in §268.7(a)(4) and the following certification statement, signed by an authorized representative:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that

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there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

- (ii) If the waste changes, the generator must send a new notice and certification to the receiving facility, and place a copy in their files. Generators of hazardous debris excluded from the definition of hazardous waste under §261.3(f) of this chapter are not subject to these requirements.
- (4) For reporting, tracking and recordkeeping when exceptions allow certain wastes that do not meet the treatment standards to be land disposed. There are certain exemptions from the requirement that hazardous wastes meet treatment standards before they can be land disposed. These include, but are not limited to case-by-case extensions under §268.5, disposal in a no-migration unit under §268.6, or a national capacity variance or case-by-case capacity variance under subpart C of this part. If a generator's waste is so exempt, then with the initial shipment of waste, the generator must send a one-time written notice to each land disposal facility receiving the waste. The notice must include the information indicated in column "268.7(a)(4)" of the Generator Paperwork Requirements Table below. If the waste changes, the generator must send a new notice to the receiving facility, and place a copy in their files.

Generator Paperwork Requirements Table

Required information	§ 268.7 (a)(2)	 § 268.7 (a)(3)	i § 268.7 (a)(4)	§ 26 8.7 (a)(9)
1. EPA Hazardous Waste and Manifest		+ 	+	+
numbers	V		i v	i
2. Statement: this waste			1	
<pre>is not prohibited from land disposal</pre>		f. 4	1	
3. The waste is subject		1		'
to the LDRs. The		1	Ì	Ī
constituents of		1	1	1
concern for F001-F005,		†		•
and F039, and underlying hazardous		1	1	
constituents (for			i	1
wastes that are not			· ·	Ī
managed in a Clean Wa-		!	1	1
ter Act (CWA) or CWA-equivalent			i I	Į I
facility), unless the		1		1
waste will be treated		İ	i	i .

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	and monitored for all]	ì
	constituents. If all			1	
	constituents will be			i	
				i. I	
	treated and monitored,] }	
	there is no need to			!	
	put them all on the			ļ l	
	LDR notice	$\overline{}$	$\overline{}$	i i	
4.	The notice must	İ		!!!	
	include the applicable		!	1 8	
	wastewater/		Ī	!	
	nonwastewater category				i
	(see § § 268.2(d)			1	
	and (f)) and			i '	l
	subdivisions made			; 	
	within a waste code	! !		! !	i
	based on	! !		! !	
					1
	waste-specific			i i	
	criteria (such as D003				
_	reactive cyanide)		<u> </u>	!	
5.	Waste analysis data			· 1	
	(when available)	レ	$\overline{}$	l	
6.	Date the waste is	1		!	l
	subject to the	l	i e		
	prohibition	ľ	•	l	
7.	For hazardous debris,	!		Ť i	
	when treating with the			<u> </u>	l
	alternative treatment	I		[
	technologies provided	I		I	1
	by § 268.45: the	!	1	i	i
	contaminants subject	, 			İ
	to treatment, as	1 		j	
	described in	! 		· [ì
	§ 268.45(b); and an	! !		1 1	!
	indication that these	l !	1	 	
] 	! !	F	i I
	contaminants are being	[1	<u> </u>)
	treated to comply with	 -		!	l
_	\$ 268.45				
8.	A certification is	1	1	!	l
	needed (see applicable]		j	
	section for exact	}	İ	!	1
	wording)	ľ	1 V		
	-				

(5) If a generator is managing and treating prohibited waste in tanks, containers, or containment buildings regulated under 40 CFR 262.34 to meet applicable LDR treatment standards found at §268.40, the generator must develop and follow a written waste analysis plan which describes the procedures they will carry out to comply with the treatment standards. (Generators treating hazardous debris under the alternative treatment standards of Table 1, §268.45, however, are not subject to these waste analysis requirements.) The plan must be kept on site in the generator's records, and the following requirements must be met:

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- (i) The waste analysis plan must be based on a detailed chemical and physical analysis of a representative sample of the prohibited waste(s) being treated, and contain all information necessary to treat the waste(s) in accordance with the requirements of this part, including the selected testing frequency.
 - (ii) Such plan must be kept in the facility's on-site files and made available to inspectors.
- (iii) Wastes shipped off-site pursuant to this paragraph must comply with the notification requirements of §268.7(a)(3).
- (6) If a generator determines that the waste is restricted based solely on his knowledge of the waste, all supporting data used to make this determination must be retained on-site in the generator's files. If a generator determines that the waste is restricted based on testing this waste or an extract developed using the test method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as referenced in §260.11 of this chapter, and all waste analysis data must be retained on-site in the generator's files.
- (7) If a generator determines that he is managing a restricted waste that is excluded from the definition of hazardous or solid waste or exempt from Subtitle C regulation, under 40 CFR 261.2 through 261.6 subsequent to the point of generation (including deactivated characteristic hazardous wastes managed in wastewater treatment systems subject to the Clean Water Act (CWA) as specified at 40 CFR 261.4(a)(2), or are CWA-equivalent), he must place a one-time notice stating such generation, subsequent exclusion from the definition of hazardous or solid waste or exemption from RCRA Subtitle C regulation, and the disposition of the waste, in the facility's file.
- (8) Generators must retain on-site a copy of all notices, certifications, waste analysis data, and other documentation produced pursuant to this section for at least three years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment, storage, or disposal. The three year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Administrator. The requirements of this paragraph apply to solid wastes even when the hazardous characteristic is removed prior to disposal, or when the waste is excluded from the definition of hazardous or solid waste under 40 CFR 261.2 through 261.6, or exempted from Subtitle C regulation, subsequent to the point of generation.
- (9) If a generator is managing a lab pack containing hazardous wastes and wishes to use the alternative treatment standard for lab packs found at §268.42(c):
- (i) With the initial shipment of waste to a treatment facility, the generator must submit a notice that provides the information in column "§268.7(a)(9)" in the Generator Paperwork Requirements Table of paragraph (a)(4) of this section, and the following certification. The certification, which must be signed by an authorized representative and must be placed in the generator's files, must say the following:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under appendix IV to 40 CFR part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR 268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

- (ii) No further notification is necessary until such time that the wastes in the lab pack change, or the receiving facility changes, in which case a new notice and certification must be sent and a copy placed in the generator's file.
- (iii) If the lab pack contains characteristic hazardous wastes (D001-D043), underlying hazardous constituents (as defined in §268.2(i)) need not be determined.
- (iv) The generator must also comply with the requirements in paragraphs (a)(6) and (a)(7) of this section.
- (10) Small quantity generators with tolling agreements pursuant to 40 CFR 262.20(e) must comply with the applicable notification and certification requirements of paragraph (a) of this section for the initial shipment of the waste subject to the agreement. Such generators must retain on-site a copy of the notification and certification, together with the tolling agreement, for at least three years after termination or expiration of the agreement. The three-year record retention period is automatically extended during the course of any unresolved enforcement action regarding the regulated activity or as requested by the Administrator.
- [§268.7(a) revised at 62 FR 26019, May 12, 1997, effective Aug. 11, 1997]
- (b) Treatment facilities must test their wastes according to the frequency specified in their waste analysis plans as required by 40 CFR 264.13 (for permitted TSDs) or 40 CFR 265.13 (for interim status facilities). Such testing must be performed as provided in paragraphs (b)(1), (b)(2) and (b)(3) of this section.
- [§268.7(b) introductory text amended at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]
- (1) For wastes with treatment standards expressed as concentrations in the waste extract (TCLP), the owner or operator of the treatment facility must test an extract of the treatment residues, using test method 1311 (the Toxicity Characteristic Leaching Procedure, described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846 as incorporated by reference in §260.11 of this chapter), to assure that the treatment residues extract meet the applicable treatment standards.
- [§268.7(b)(1) revised at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]
 - (2) For wastes with treatment standards expressed as concentrations in the waste, the owner or

operator of the treatment facility must test the treatment residues (not an extract of such residues) to assure that they meet the applicable treatment standards.

[Former §268.7(b)(2) removed and former (3) redesignated as new (2) and revised at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]

- (3) A one-time notice must be sent with the initial shipment of waste to the land disposal facility. A copy of the notice must be placed in the treatment facility's file.
- (i) No further notification is necessary until such time that the waste or receiving facility change, in which case a new notice must be sent and a copy placed in the treatment facility's file.
 - (ii) The one-time notice must include these requirements:

Treatment Facility Paperwork Requirements Table

Required information	§ 268.7(b)
1. EPA Hazardous Waste and Manifest	
2. The waste is subject to the LDRs. The constituents of concern for F001-F005, and F039, and underlying hazardous constituents (for wastes that are not managed in a Clean Water Act (CWA) or CWA-equivalent facility), unless the waste will be treated and monitored for all constituents. If all constituents will be treated and monitored, there is no need to put them all on the LDR	
notice	V
3. The notice must include the applicable wastewater/ nonwastewater category (see § § 268.2(d) and (f)) and subdivisions made within a waste code based on waste-specific criteria (such)	
as D003 reactive cyanide)	$\overline{}$
4. Waste analysis data (when available) 5. A certification statement is needed (see applicable section for exact 	V
wording)	V

[Former §268.7(b)(4) redesignated as new (3) and revised at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]

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(4) The treatment facility must submit a one-time certification signed by an authorized representative with the initial shipment of waste or treatment residue of a restricted waste to the land disposal facility. The certification must state:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

- (i) A copy of the certification must be placed in the treatment facility's on-site files. If the waste or treatment residue changes, or the receiving facility changes, a new certification must be sent to the receiving facility, and a copy placed in the file.
- (ii) Debris excluded from the definition of hazardous waste under §261.3(e) of this chapter (i.e., debris treated by an extraction or destruction technology provided by Table 1, §268.45, and debris that the Director has determined does not contain hazardous waste), however, is subject to the notification and certification requirements of paragraph (d) of this section rather than the certification requirements of this paragraph.
- (iii) For wastes with organic constituents having treatment standards expressed as concentration levels, if compliance with the treatment standards is based in whole or in part on the analytical detection limit alternative specified in §268.40(d), the certification, signed by an authorized representative, must state the following:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good-faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

[Former §268.7(b)(5) redesignated as new (4) and revised at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]

(5) If the waste or treatment residue will be further managed at a different treatment or storage facility, the treatment, storage or disposal facility sending the waste or treatment residue off-site must comply with the notice and certification requirements applicable to generators under this

section.

[Former §268.7(b)(6) redesignated as new (5) at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]

(6) Where the wastes are recyclable materials used in a manner constituting disposal subject to the provisions of §266.20(b) regarding treatment standards and prohibition levels, the owner or operator of a treatment facility (i.e., the recycler) is not required to notify the receiving facility, pursuant to paragraph (b)(4) of this section. With each shipment of such wastes the owner or operator of the recycling facility must submit a certification described in paragraph (b)(5) of this section, and a notice which includes the information listed in paragraph (b)(4) of this section (except the manifest number) to the Regional Administrator, or his delegated representative. The recycling facility also must keep records of the name and location of each entity receiving the hazardous waste-derived product.

[Former §268.7(b)(7) redesignated as new (6) at 62 FR 26021, May 12, 1997, effective Aug. 11, 1997]

- (c) Except where the owner or operator is disposing of any waste that is a recyclable material used in a manner constituting disposal pursuant to 40 CFR 266.20(b), the owner or operator of any land disposal facility disposing any waste subject to restrictions under this part must:
- (1) Have copies of the notice and certifications specified in paragraph (a) or (b) of this section.

[§268.7(c)(1) amended at 62 FR 26022, May 12, 1997, effective Aug. 11, 1997]

(2) Test the waste, or an extract of the waste or treatment residue developed using test method 1311 (the Toxicity Characteristic Leaching Procedure), described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846 as incorporated by reference in §260.11 of this chapter), to assure that the wastes or treatment residues are in compliance with the applicable treatment standards set forth in subpart D of this part. Such testing must be performed according to the frequency specified in the facility's waste analysis plan as required by §264.13 or §265.13 of this chapter.

[§268.7(c)(2) amended at 62 FR 26022, May 12, 1997, effective Aug. 11, 1997]

(d) Generators or treaters who first claim that hazardous debris is excluded from the definition of hazardous waste under §261.3(e) of this chapter (i.e., debris treated by an extraction or destruction technology provided by Table 1, §268.45, and debris that the EPA Regional Administrator (or his designated representative) or State authorized to implement part 268 requirements has determined does not contain hazardous waste) are subject to the following notification and certification requirements:

[§268.7(d) introductory text amended at 60 FR 244, Jan. 3, 1995]

(1) A one-time notification, including the following information, must be submitted to the EPA

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Regional hazardous waste management division director (or his designated representative) or State authorized to implement part 268 requirements, or State authorized to implement part 268 requirements:

[§268.7(d)(1) amended at 60 FR 244, Jan. 3, 1995]

- (i) The name and address of the Subtitle D facility receiving the treated debris;
- (ii) A description of the hazardous debris as initially generated, including the applicable EPA Hazardous Waste Number(s); and
- (iii) For debris excluded under §261.3(e)(1) of this chapter, the technology from Table 1, §268.45, used to treat the debris.
- (2) The notification must be updated if the debris is shipped to a different facility, and, for debris excluded under §261.2(e)(1) of this chapter, if a different type of debris is treated or if a different technology is used to treat the debris.
- (3) For debris excluded under §261.3(e)(1) of this chapter, the owner or operator of the treatment facility must document and certify compliance with the treatment standards of Table 1, §268.45, as follows:
- (i) Records must be kept of all inspections, evaluations, and analyses of treated debris that are made to determine compliance with the treatment standards;
- (ii) Records must be kept of any data or information the treater obtains during treatment of the debris that identifies key operating parameters of the treatment unit; and
- (iii) For each shipment of treated debris, a certification of compliance with the treatment standards must be signed by an authorized representative and placed in the facility's files. The certification must state the following: "I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for making a false certification, including the possibility of fine and imprisonment."

[§268.7(d) added at 57 FR 37263, Aug. 18, 1992]

40 CFR 268.8 [Reserved]

[§268.8 removed and reserved at 61 FR 15599, April 8, 1996]

40 CFR 268.9 Special rules regarding wastes that exhibit a characteristic.

(a) The initial generator of a solid waste must determine each EPA Hazardous Waste Number (waste code) applicable to the waste in order to determine the applicable treatment standards under subpart D of this part. For purposes of part 268, the waste will carry the waste code for any

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applicable listed waste (Part 261, Subpart D). In addition, where the waste exhibits a characteristic, the waste will carry one or more of the characteristic waste codes (Part 261, Subpart C), except when the treatment standard for the listed waste operates in lieu of the treatment standard for the characteristic waste, as specified in paragraph (b) of this section>. If the generator determines that their waste displays a hazardous characteristic (and is not D001 nonwastewaters treated by CMBST, RORGS, OR POLYM of §268.42, Table 1), the generator must determine the underlying hazardous constituents (as defined at §268.2(i)) in the characteristic waste.

[§268.9(a) revised at 58 FR 29884, May 24, 1993; amended at 59 FR 48041, Sept. 19, 1994; 60 FR 244, Jan. 3, 1995; 61 FR 15599, April 8, 1996; 62 FR 26022, May 12, 1997, effective Aug. 11, 1997]

- (b) Where a prohibited waste is both listed under 40 CFR part 261, subpart D and exhibits a characteristic under 40 CFR part 261, subpart C, the treatment standard for the waste code listed in 40 CFR part 261, subpart D will operate in lieu of the standard for the waste code under 40 CFR part 261, subpart C, provided that the treatment standard for the listed waste includes a treatment standard for the constituent that causes the waste to exhibit the characteristic. Otherwise, the waste must meet the treatment standards for all applicable listed and characteristic waste codes.
- (c) In addition to any applicable standards determined from the initial point of generation, no prohibited waste which exhibits a characteristic under 40 CFR part 261, subpart C may be land disposed unless the waste complies with the treatment standards under subpart D of this part.

[§268.9(d) revised at 57 FR 37263, Aug. 18, 1992]

- (d) Wastes that exhibit a characteristic are also subject to §268.7 requirements, except that once the waste is no longer hazardous, a one-time notification and certification must be placed in the generators or treaters files and sent to the EPA region or authorized state. The notification and certification that is placed in the generators or treaters files must be updated if the process or operation generating the waste changes and/or if the subtitle D facility receiving the waste changes. However, the generator or treater need only notify the EPA region or an authorized state on an annual basis if such changes occur. Such notification and certification should be sent to the EPA region or authorized state by the end of the calendar year, but no later that December 31.
 - (1) The notification must include the following information:
- (i) Name and address of the RCRA Subtitle D facility receiving the waste shipment; and [§268.9(d)(1)(i) amended at 59 FR 48041, Sept. 19, 1994]
- (ii) A description of the waste as initially generated, including the applicable EPA hazardous waste code(s), treatability group(s), and underlying hazardous constituents (as defined in

§268.2(i)), unless the waste will be treated and monitored for all underlying hazardous constituents. If all underlying hazardous constituents will be treated and monitored, there is no requirement to list any of the underlying hazardous constituents on the notice.

[§268.9(d)(1)(ii) amended at 59 FR 48041, Sept. 19, 1994; revised at 62 FR 26022, May 12, 1997, effective Aug. 11, 1997]

(iii) [Removed]

[§268.9(d)(l)(iii) removed at 59 FR 48041, Sept. 19, 1994]

- (2) The certification must be signed by an authorized representative and must state the language found in §268.7(b)(5).
- (i) If treatment removes the characteristic but does not treat underlying hazardous constituents, then the certification found in §268.7(b)(5)(iv) applies.

[§268.9(d)(2)(i) added at 59 FR 48041, Sept. 19, 1994; amended at 60 FR 244, Jan. 3, 1995]

(ii) [Reserved]

[§268.9(d)(2)(ii) added and reserved at 59 FR 48041, Sept. 19, 1994]

Koppers Industries, Inc. 1005 William Pitt Way Pittsburgh, PA 15238-1362



Purchase Order

W. Sweavinger

Purchase Order # 14-7-50914 K-1801

August 7, 1997 Date:

Page:

To:

Contact: JACK L. STEPHENSON 412/826-3907

Laidlaw Environmental

Attention: Michael King

117 Frontage Road North, Bldg. D1

Pacific WA 98047

Ship To: Laidlaw

Grassy Mountain

UTAH

Koppers requests that Seller furnish the material and/or services listed below. Acceptance of this purchase order is expressly limited to the terms and conditions on the face and on the reverse side hereof.

correspondence, shipping papers, invoices, etc.

QUANTITY	DESCRIPTION	PRICE		
	REQUSITION: JLS 8/07/97 ACCOUNT: LATER			
	WASTE DISPOSAL			
	LAIDLAW ENVIRONMENTAL - NATIONAL SERVICE AGREEMENT			
	Seller agrees to dispose of nonhazardous waste material furnished by Koppers Industries Inc. from its Portland, OR facility at its Grassy Mountain UTAH secure hazardous waste landfill. This complete transaction is to be in accrodance with all local state, county, Federal, EPA and DOT regulations. Material will be furnished to Seller in 55-gallon drums.			
Approximately 6 drums	Portland, OR - Code #05699-3102, Transportation, Disposal and Taxes	\$225.00	drum	
	Send original and two copies of all invoices to:			
	KOPPERS INDUSTRIES, INC. 1005 WILLIAM PITT WAY PITTSBURGH PA 15238-1362 ATTENTION: JACK L. STEPHENSON Confirming faxed order of 8/08/97 - DO NOT DUPLICATE PRICE: Based on Seller's quotation dated 7/24/97 FOB: Delivered SHIP: As Soon As Possible ALL FEDERAL EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION REQUIREMENTS IN REGARD TO RACE, SEX, RELIGION, NATIONAL ORIGIN, HANDICAP AND VIETNAM VETERAN OR DISABLED VETERAN STATUS, AS FOUND IN 41 CFR 60-1.4, 41 CFR 60-250.3, AND 41 CFR 741.3, ARE HEREIN INCORPORATED BY REFERENCE. KOPPERS INDUSTRIES IS ENTITLED TO ALL REMEDIES PURSUANT TO THE UNIFORM COMMERCIAL CODE.			

- 1. This order must be acknowledged promptly on the enclosed acceptance copy, giving the information requested.
- Seller's acknowledgement of, or fulfillment of this order, shall constitute Seller's acceptance of all the terms and hereof of terms specifically incorporated by reference herein, which shall control, if they conflict with the terms of Seller's quotation.
- The Seller agrees to defend and save harmless Koppers from all costs, expenses and damages occasioned by any alleged infringement of potents by any articles covered by this order.
- 4. The goods and/or services covered by this order are guaranteed to be free of defects in material and workmanship. The cost of repair or replacement of defective or non-conforming parts, including labor and freight, shall be borne by Seller.
- In connection with any costings, machinery, apparatus, etc. of Koppers design covered by this order, Seller shall not in any manner cost, inscribe, or placard such costings, machinery, apparatus, etc. with its trademark or name.
- 6. Koppers shall have the right to inspect the work covered by this order at any time during its progress. Any inspection by Koppers does not relieve the Seller of its responsibility for correctness in tabrication, the quality or workmanship in accordance with the specifications and/or drawings.
- 7. The Seller agrees to accept exclusive liability for the payment of any payroll taxes or contributions for unemployment insurance or old age pensions or annuities which are measured by the wages, solaries, or other remuneration poid to the employees of the Seller; to reimburse Koppers for any of the oforesaid taxes or contributions which, by low, Koppers may be required to pay; and to comply with valid administrative regulations respecting the assumption of liability for the oforesaid contributions by subcontractors.
- 8. Seller warrants that in the production of goods and services purchased hereunder, he has complied and will comply with all applicable statutes of the United States and lawful regulations issued thereunder, including: Fair Labor Standards Act of 1938, as amended, Davis-Bacon Act, as amended, the Walsh-Healey Act, as amended, and the Occupational Safety and Health Act of 1970, as amended, Seller further warrants that he has complied and will comply with all statutes and regulations of any state, territory or other duty constituted public authority or political subdivision thereof wherein the work hereunder shall be performed.
- 9. Bills of lading, express receipts, invoices, shipping lists, etc. must be sent forward the day shipment is made with order number indicated on all papers. All shipments must be made in name of firm with whom order is placed and all shipping and invoice requirements must be compiled with in every particular.
- 10. All barrels, boxes, bags, crates or other packages must be labeled with tag (linen tag preferred) securely fastened to packages showing shipper's name and Koppers order number. If impossible to attach tags, information must be pointed on packages.
- 11. Koppers shall not be responsible for any drayage, blocking or packaging and no reels, drums or packages shall be returned to Seller except as set out on the reverse side of this sheet.
- 12. Net invoices for goods and/or services shall be paid 30 days following the date of invoices.
- 13. Cash Discount Invoices Cash discount shall be deducted at expiration of grace period dating from date of receipt of invoices.
- 14. NFT invoices and CASH discount invoices received without supporting papers complete shall not be paid until complete as specified. The date of receipt of final supporting papers complete shall, in all cases, govern dates of payment.
- 15. It shall be strictly understood and agreed that this order shall be treated confidentially in every respect, and that the Seller shall refrain from any publicity or advertising concerning the sale of articles herein.

16. In no event shall Koppers be liable to Seller, regardless of the form of action, whether in contract or in tort or otherwise, for any incidental or consequential damages of any nature whatsoever, including without limitation, lost profits.

- 17. Koppers is entitled to all remedies, without limitation, available pursuant to the Uniform Commercial Code.
- 18. Seller shall defend, indemnify and save Koppers harmless from and against any and all claims, demands, causes of action, suits and all other fibbilities whatsoever, including without limitation reasonable attarney fees, incurred by Koppers on account of, or by reason of, or arising out of personal injuries or death to Seller, or a subcontractor of Seller, Koppers, or any other third party, or the employee(s) thereof, it being the intent of this provision to absolve and protect Koppers from any and all loss or hobility orising out of the performance of this purchase order or the goods and/or services provided hereunder.
- 19. Seller's or Koppers' waiver of any breach, or failure to enforce any of the terms and conditions of this contract, at any time, shall not, in any way, affect, limit or waive Seller's or Koppers' rights thereafter to enforce and compel strict compliance with every term and condition hereaf.
- Seller shall not assign, transfer, convey, subcontract or authorize disposition of this agreement or its right, title or interest in or to the same or any part thereof without the previous consent in writing of Konners
- 21. This order constitutes the entire agreement, and no additions or changes are to be made without written authority from Koppers Purchasina Department.
- 22. During the performance of this purchase order, for amounts exceeding \$10.000 unless exempt, the Seller agrees as follows:
- (a) The Seller will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Seller will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Seller agrees to post, in conspicuous places, available to employees and applicants for employment, notices to be provided by the government contracting office setting forth the provision of this non-
- (b) The Seller will, in all solicitations or advertisements for employees placed by or on behalf of the Seller, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- (c) The Seller will sent to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or worker's representative of the Seller's commitments under Section 202 of the Executive Order 11246 of September 24, 1965 and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (d) The Seller will comply with all provisions of Executive Order 11246 of September 24, 1965 and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (e) The Seller will furnish all information and reports required by Executive Order 11246 of September 24, 1965 and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereof, and will permit access to his books, records and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (1) In the event of Seiller's non-compliance with the non-discrimination clouses of this contract or with any of the said rules, regulations, or orders, this contract may be concelled, terminated or suspended in whole or in part and the Seller may be declared ineligible for further appearance contracts in accordance with procedures

authorized in Executive Order 11246 of September 24, 1965 and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965 or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by low.

- (g) The Seller will include the provision of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Seller will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for non-compliance; provided, however, that in the event the Seller becomes involved in, or is threatened with litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Seller may request the United States to enter into such litigation to protect the interest of the United States.
- (h) Seller certifies, in the form prescribed in 41 CFR, Chapter 1, Section 1-12, 803-10, regarding non-segregated facilities.
- (i) Seller agrees to file with the oppropriate Federal agency a complete and accurate report of Standard Form 100 (EEG-1) within 30 days after the signing of this agreement or the award of such purchase order, as the case may be (unless such a report has been filed in the last 12 months, or unless Seller does not meet the 100-employee test set forth in Section 701(b) of Title VII of the Civil Rights Act of 1964), and agrees to continue to file such reports annually, on or before March 31.
- 23. All Federal Equal Opportunity and Affirmative Action requirements in regard to race, sex, religion, national origin, handicap and Vietnam veteran or disabled veteran status, as found in 41 CFR 50-1.4, 41 CFR 60-250.3 and 41 CFR 741.3, are herein incorporated by reference

KOPPERS INDUSTRIES, INC.

Purchase Order

correspondence, shipping papers, invoices, etc.

Koppers Industries, Inc. 1005 William Pitt Way Pittsburgh, PA 15238-1362

August 7, 1997

2

Purchase Order # 14-7-50914

Contact: JACK L. STEPHENSON 412/826-3907

Ship To:

Laidlaw

UTAH

Grassy Mountain

To:

Page:

Laidlaw Environmental

Attention: Michael King

117 Frontage Road North, Bldg. DI

order is expressly limited to the terms and conditions on the face and on the reverse side hereof.

Pacific WA 98047

Koppers requests that Seller furnish the material and/or services listed below. Acceptance of this purchase

The purchase order number must be shown on all

QUANTITY	D	ESCRIPTION	PRICE	
	PLEASE ACKNOWLEDGE YOUR ACCEPTANCE OF THIS ORDER BY SIGNING AND RETURNING THE ATTACHED <u>COPY.</u>			
·				
		ACCEPTED BY:		
	KOPPERS INDUSTRIES, INC. AUTHORIZED SIGNATURE JACK L. STEPHENSON/sad CC: T. J. Turner - Portland, OR W. Swearingen - K1801	SELLER'S AUTHORIZED SIGNATURE TITLE		
		ESTIMATED TOTAL:	\$1,350.00	

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Colored Artist

This Order shall be subject to the following Terms and Conditions:

- 1. This order must be acknowledged promptly on the enclosed acceptance copy, giving the information requested.
- Seller's acknowledgement of, or fulfillment of this order, shall constitute Seller's acceptance of all the terms and hereof of terms specifically incorporated by reference herein, which shall control, if they conflict with the terms of Seller's quotation.
- The Seller agrees to defend and save harmless Koppers from all costs, expenses and damages occasioned by any alleged intringement of patents by any articles covered by this order.
- The goods and/or services covered by this order are guaranteed to be free of defects in material and workmanship. The cost of repair or replacement of defective or non-conforming parts, including labor and freight, shall be borne by Seller.
- In connection with any castings, machinery, apparatus, etc. of Koppers design covered by this order, Seller shall not in any manner cast, inscribe, or placard such castings, machinery, apparatus, etc. with its trademark or name.
- Koppers shall have the right to inspect the work covered by this order at any time during its progress. Any inspection by Koppers does not relieve the Seller of its responsibility for correctness in fabrication, the quality or workmanship in accordance with the specifications and/or drawings.
- 7. The Seller agrees to accept exclusive fiablify for the payment of any payroli taxes or contributions for unemployment insurance or old age pensions or annuities which are measured by the wages, salaries, or other remuneration paid to the employees of the Seller; to reimburse Koppers for any of the oforesaid taxes or contributions which, by low, Koppers may be required to pay, and to comply with volid administrative regulations respecting the assumption of liability for the oforesaid contributions by subcontractors.
- 8. Seller warrants that in the production of goods and services purchased hereunder, he has complied and will comply with all apphicable statutes of the United States and lawful regulations issued thereunder, including: Fair Lobar Standards Act of 1938, as amended, Davis-Bacon Act, as amended, the Waish-Heoley Act, as amended, and the Occupational Safety and Health Act of 1970, as amended, Seller further warrants that he has complied and will compty with all statutes and regulations of any state, territory or other duty constituted public authority or political subdivision thereof wherein the work hereunder shall be performed.
- 9. Bills of lading, express receipts, invoices, shipping lists, etc. must be sent forward the day shipment is made with order number indicated on all popers. All shipments must be made in name of firm with whom order is placed and all shipping and invoice requirements must be compiled with in every particular.
- 10. All barrels, boxes, bags, crotes or other packages must be labeled with tag (linen tag preferred) securely fastened to packages showing shipper's name and Koppers order number. If impossible to attach tags, information must be painted on packages.
- Koppers shall not be responsible for any drayage, blocking or pockaging and no reels, drums or packages shall be returned to Seller except as set out on the reverse side of this sheet.
- 12. Net invoices for goods and/or services shall be paid 30 days following the date of invoices.
- 13. Cash Discount Invoices Cash discount shall be deducted at expiration of grace period dating from date of receipt of invoices.
- 14. NFT invoices and CASH discount invoices received without supporting papers complete shall not be paid until complete as specified. The date of receipt of final supporting papers complete shall, in all cases, govern dates of payment.
- 15 It shall be strictly understood and agreed that this order shall be treated confidentially in every respect, and that the Seller shall refrain from any publicity or advertising concerning the sale of articles herein.

16. In no event shall Koppers be liable to Seller, regardless of the form of action, whether in contract or in tort or otherwise, for any incidental or consequential damages of any nature whatsoever, including without limitation, lost profits.

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- 17. Koppers is entitled to all remedies, without limitation, available pursuant to the Uniform Commercial Code.
- 18. Seller shall defend, indemnify and sove Koppers harmless from and against any and all claims, demands, causes of action, suits and all other liabilities whatsoever, including without limitation reasonable attorney fees, incurred by Koppers on account of, or by reason of, or orising out of personal injuries or death to Seller, or a subcontractor of Seller, Koppers, or any other third party, or the employee(s) thereof, it being the intent of this provision to absolve and protect Koppers from any and all loss or liability arising out of the performance of this purchase order or the goods and/or services provided hereunder.
- 19. Seller's or Koppers' waiver of any breach, or failure to enforce any of the terms and conditions of this contract, of any time, shall not, in any way, affect, limit or waive Seller's or Koppers' rights thereafter to enforce and compel strict compliance with every term and condition hereaf.
- Seller shall not assign, transfer, convey, subcontract or authorize disposition of this agreement or its right, title or interest in or to the same or any part thereof without the previous consent in writing of Koppers.
- 21. This order constitutes the entire agreement, and no additions or changes are to be made without written authority from Koppers Purchasing Department.
- 22. During the performance of this purchase order, for amounts exceeding \$10,000 unless exempt, the Seller agrees as follows:
- (a) The Seller will not discriminate against any employee or applicant for employment because of roce, color, religion, sex, or national origin. The Seller will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment overtising, byoff or termination, roles of pay or other forms of compensation, and selection for training including apprenticeship. The Seller agrees to post, in conspicuous places, available to employees and applicants for employment, notices to be provided by the government contracting office setting forth the provision of this non-discrimination clause.
- (b) The Seller will, in all solicitations or advertisements for employees placed by or on behalf of the Seller, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- (c) The Seler will sent to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, o notice to be provided by the agency contracting afficer, advising the labor union or worker's representative of the Seller's commitments under Section 202 of the Executive Order 11246 of September 24, 1965 and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (d) The Seller will comply with all provisions of Executive Order 11246 of September 24, 1965 and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (e) The Seller will furnish all information and reports required by Executive Order 11246 of September 24, 1965 and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereof, and will permit access to his books, recards and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and
- (f) In the event of Seller's non-compliance with the non-discrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be concelled, terminated or suspended in whole or in part and the Seller may be declared ineligible for further government contracts in accordance with procedures.

authorized in Executive Order 11246 of September 24, 1965 and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965 or by rule, regulation or order of the Secretary of Labor, or as otherwise provided by law.

- (g) The Seller will include the provision of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Seller will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for non-compliance; provided, however, that in the event the Seller becomes involved in, or is threatened with litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Seller may request the United States to enter into such fitigation to protect the interest of the United States.
- (h) Seller certifies, in the form prescribed in 41 CFR, Chapter 1, Section 1–12, 803-10, regarding non–segregated facilities.
- (i) Seller agrees to file with the appropriate Federal agency a complete and accurate report of Standard Form 100 (EEG-1) within 30 days after the signing of this agreement or the award of such purchase order, as the case may be (unless such a report has been filed in the last 12 months, or unless Seller does not meet the 100-employee test set forth in Section 701(b) of Title VII of the Civil Rights Act of 1964), and agrees to continue to file such reports annually, on or before March 31.
- 23. All Federal Equal Opportunity and Affirmative Action requirements in regard to race, sex, religion, notional origin, handicap and Vielnam veteran or disabled veteran status, as found in 41 CFR 60-1.4, 41 CFR 60-250.3 and 41 CFR 741.3, are herein incorporated by reference

KOPPERS INDUSTRIES, INC.

KOPPERS

Koppers Industries, Inc. 1835 Koppers Drive Dolomite, Alabama 35127 Telephone 205-744-9660

,	MESSAGE 05)-744-5098
DATE 6/30/97 TO Lock Stephenson FROM MOL	HW 6 drums. Ref.tan+gloves, ray, etc.
TOTAL PAGES, INCLUDING THIS PAGE IF YOU DO NOT RECEIVE ALL PAGES, PLEASE	CALL 205-744-9660.
Jack: Returning Copies of an works material we Material is non-hagare bre beind of OH Did	coursed today! lour bat drums contain

Koppers009578



TIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC. 7540 NW ST. HELENS ROAD

PORTLAND OR 97210-3663

PHONE: (503) 286-3681

FAX: (503) 285-2831

DATE SUBMITTED: 05/28/97

PO#:

PROJECT NAME: Hazardous Waste Characterization

CI SAMPLE # CLIENTS ID#

TIME DESCRIPTION

970735-001-01

05/28/97 1600 Waste Sludge

REPORT DATE: 06/16/97 REPORT NUMBER: 970735			PAGE: 1 OF 3			
SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	analyst
4400	##		ы вятавает.	·	,	•••••
CORROSIVITY 970735-001-01	PH EPA 150.1	pH	6.8		-	Jacob F.
IGNITABILITY 970735-001-01	FLASH POINT - PMCC ASTM D-93	FLASH POINT	>212	· DEG F	•	Jacob F.
REACTIVITY 970735-001-01	CYANIDE. TOTAL EPA 335.2	TOTAL CYANIDE	NO	P PM	1	Dick R.
970735-001-01	SULFIDES EPA 376.2	SUFTOES	ND	PPH	1	Dick R.
970735- 001-0 1	PHENOLS 1 EPA 8270	4-CHLORO-3-METHYLPHENOL 2-CHLOROPHENOL 2.4-DICHLOROPHENOL 2.4-DIMETHYLPHENOL 4.6-DINITRO-2-METHYLPHENOL 2.4-DINITROPHENOL 2-NITROPHENOL 4-NITROPHENOL PENTACHLOROPHENOL PENTACHLOROPHENOL PNENOL	ND ND ND 81.000 ND ND ND 149.000 ND 332.000	PPB PPB PPB PPB PPB PPB PPB PPB	50,000 50,000 50,000 50,000 50,000 50,000 50,000 50,000 50,000 50,000	Jacob F.

CERTIFICATE OF ANALYSIS

REPORT DATE: 06/16/97		RÉPORT NUMBER: 970735				PAGE: 2 OF 3	
SAMPLE	TEST	PARAMETER	RESULT	TINU	DETECTION LIMIT	ANALYST	
970735-001-01	PCB's	PCB-1016	ND	PPM	2.0	Jacob F.	
	EPA 8081	PCB-1221	ND	PPM	2.0		
		PC8-1232	NO.	PPN	2.0		
		PCB-1242	ON	PPM	2.0		
		PC8-1248	NO .	PPM	2.0		
		PCB-1254	ND	PPM	2.0		
		PCB-1260	ND	PPH	2.0		
		SURROGATE 1	OBSCURED	# RECOVERY	70-130		
		SURROGATE 2	OBSCURED	# RECOVERY	70-130		
					REGULATORY		
SAMPLE	TEST	PARAMETER	RESULT	UNIT	LIMIT	ANALYST	
970735-001-01	TCLP - 8 METALS	EPA 3010 TCLP EXTRACTABLE	HETALS	**********	5/29/97	Eleanor T.	
		EPA 6010/200.7 TCLP ARSENIC	ND.<0.1	mg/L	5.0		
		EPA 6010/200_7 TCLP BARIUM	0.17	mg/L	100.		
		EPA 6010/200.7 TCLP CADHIUM	ND,<0.01	mg/L	1.0		
		EPA 6010/200 7 TCLP CHROMIUM	ND.<0.02	mg/L	5.0		
		EPA 6010/200.7 TCLP LEAD	0.14	mg/L	5.0		
		EPA 7470/245.1 TCLP MERCURY	ND <0.0003	mg/L	0.2		
		EPA 6010/200.7 TCLP SELENIUM	ND, <0.1	mg/L	1.0		
		EPA 6010/200.7 TCLP SILVER	ND.<0.02	mg/L	5.0		
970735-001-01	VOLATILE ORGANICS	- ZERO HEADSPACE/VOLATILE TCLP EX	TRACTABLE				
	, , , , , , , , , , , , , , , , , , ,	BENZENE	0.14	PPM	0.5	Jacob F.	
		CARBON TETRACHLORIDE	ND. <0.03	PPM	0.5	Jacob F.	
	EPA 8260	CHLOROBENZENE	NO. <0.03	PPH	160.		
	•	CHLOROFORM	0.034	PPH	5.0		
		1,4-DICHLOROBENZENE	ND, <0.03	PPH.	7.5		
		1,1-DICHLOROETHENE	ND, <0.03	PPH	0.7		
		1.2-DICHLORDETHANE	ND, <0.03	PPH	0.5	-	
		METHYL ETHYL KETONE	ND, < 50.	PPM	200.		
	-	TETRACHLORDETHENE	ND. <0.03	P PM	0.7		
		TRICHLOROETHENE	ND. <0.03		0.5		
		VINYL CHLORIDE	ND. <0.05	PPH	0.2		
		SURROGATE 1	OBSCURED	# RECOVERY			
		SURROGATE 2	97%	* RECOVERY			
		SURROGATE 3	993	* RECOVERY	801-1201		

CERTIFICATE OF ANALYSIS

REPORT (DATE: 06/16/97	REPORT NU	MBER: 970	735		PAGE: 3 OF 3
SAMPLE	TEST	PARAHETER	RESULT	UNIT	REGULATORY LIMIT	ANALYST
			** **********		48800774	*********
SEMI-VOLAT	ILE TOLP EXTRACTABLES					
970735-001	-O1 B/N/A SEMIVOLS 1					Jacob F.
	EPA 8270	2-METHYLPHENOL (a-CRESOL)	1.0	PPM	200*	
		3-METHYLPHENOL (m-CRESOL)			200*	•
		4-METHYLPHENOL (D-CRESOL)		PPM	200*	
		2.4-DINITROTOLUENE	ND, <0.1	PPM	0.13	
		HEXACHLOROBENZENE	ND, <0.05	PPM	0,13	
		HEXACHLOROBUTADIENE	NO. <0.25	PPM	0.5	
		HEXACHLOROETHANE	ND, <0.05	PPM	3.0	
		ni trobenzene	ND, <0.05	PPM	2.0	
		PENTACHLOROPHENOL	ND, <0.25	PPM	100.	
		2,4.5-TRICHLORPHENOL	ND, <0.05	PPM	400.	
		2.4,6-TRICHLOROPHENOL	ND, <0.05	PPM	2.0	
		PYRIDINE	ND, <1.	PPH	5.0	
970735-001-	-Q1 HERBIC10ES	TCLP EXTRACTABLE HERBICIDES				•
		2.4 D	ND, <0.1	PPM	10.	
		2,4.5-TP (Silvex)	ND. <0.1	PPM	1.0	
970735-001-	O1 PESTICIDES	TCLP EXTRACTABLE PESTICIDES				
		ALPHA-CHLORDANE	ND, <0.04	PPH	0.03	
		ganna-chlordane	ND, <0.04	PPM	0.03	
		GAMMA-BHC (LINDANE)	ND, <0.002	PPM	0.4	
		ENDRIN	ND, <0.004	PPM	0.02	
		HEPTACHLOR	ND, <0.004	PPM	0.006	
		HEPTACHLOR EPOXIDE	ND, <0.004	PPH	0.005	
		METHOXYCHLOR	ND, <0.04	PPM	10.	
		TOXAPHENE	ND. <0.08	PPM	0.5	

^{*} The TCLP Limit for cresols is 200 mg/L for the total of the three cresols.



Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001

Fax: (412) 227-2423

May 9, 1997

Ms. Sandra Hart Northwest Natural Gas Company 220 N. W. Second Avenue Portland, Oregon 97209

Re:

Laidlaw's Lambton Landfill

Corunna, Ontario

Dear Sandy:

Thank you for meeting with the folks from Koppers at your office on April 30, 1997. It was nice to finally meet you and discuss environmental matters of mutual concern. I thought the discussions were beneficial to all and that your concerns can be addressed by providing appropriate alternative engineered solutions.

este suttatamente esta frescona este educativa de la lace qui manatata e estados filos de la companio de la com

As we discussed, I am enclosing copies of the facility profile and a video tape that was obtained during my visit to the Lambton Landfill in Corunna, Ontario. This facility is approximately a one and half hour drive from Detroit, Michigan. The tape is a copy of my original so you may keep it if you wish.

If you have any questions about our expansion project or my observations concerning the landfill, please write me at the above address or call me at 412-227-2883.

Sincerely yours,

William E. Swearinger,

Manager; Environmental Programs

Enclosures

cc: R. D. Collins; K-1700

J. T. Dietz; HTC

A. S. Kamerer; Portland

KOPPERS ENVIRONMENTAL SERVICES DEPARTMENT 436 Seventh Avenue-Pittsburgh, PA 15219-1800





503-285-2831



MESSAGE:

Please review the completed application form that Hillsboro Landfill, Inc. has requested. Note memos in script where there are blanks that you must fill in.

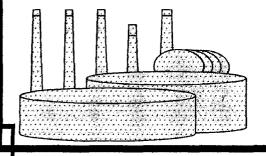
You need to check item 1.5! I don't think your facility has a state registration number.

Did you check your files for a copy of the form Oxford must have submitted last year.

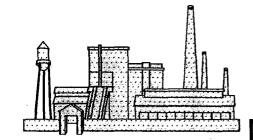
Any questions, call me. Regards,

WES

PHONE 412-227-2883 W. E. SWEARINGEN FAX 412-227-2423







Hillsboro Landfill, Inc.

August 11, 1993'

John A. Oxford Koppers Industries, Inc. 7540 NW St. Helens Rd. Portland, OR 97210

Re: Special Waste Permit No. 1249

Dear Mr. Oxford:

The Special Waste Disposal permit which we issued to your company is expiring soon. A copy of the current permit is enclosed for your reference. Please complete the enclosed application and return it to us. We will review your application for renewal for another one-year period.

Your prompt action will be appreciated. Please feel free to call me at 640-9427, if you should have any questions.

Sincerely,

Charles H. Gray

Charles D. Dray

Waste Acceptance Supervisor

Enclosure(s)

A Sanitill Subsidiary

HILLSBORO LANDFILL, INC. 3205 S.E. Minter Bridge Road Hillsboro, OR 97123 Application to Dispose of Special Wastes

Phone: 503-640-9427 FAX: 648-2490

INSTRUCTIONS: Please read important sheet attached. Type, or print heavily in lnk. The person responsible for accuracy of information must sign. Return copy of completed application and any supporting information to Hillsboro Landfill, Inc. along with a check for the \$25 application fee.

Applicant's Name KOPPERS INDUSTRIES INC	
Address 7540 NW ST HELENS RD City PORTLAND Zip 97210	Office use only
Contact Person JOHN A OXFORD Phone 286-3681	Permit no. 1249
AMOS NAMEDED	Expires 10-4-93
Job Site AddressCityCity	received
Description of Special Waste (waste composition and physical, chemical, manufacturing process from COAL TAR PITCH DUST	n which waste originated)
One time disposal?yes _X_no _ Disposal frequency (if more than one time) _ 3 _ TIME	
Quantity; (gallons, drums, lbs., cubic yards) 20 YARDS Quantity per year	100 YARDS 2
Hazardousyes Xno How did you determine whether hazardous or not? Material 5	Salety Data Sheetvss
test results other TELE BETWEEN CHARLES GRAY & KOPPER	S(enclosed documents)
TOXICOLOGY DEPARTMENT Handling and spill clean up directions ON MSDS	
Transporter METROPOLITAN DISPOSAL	
Previous permit for this waste, if any. Number N/A	
NO SEALED EMPTY CONTAINERS WILL BE ACCEPTED. If empty containers only describe container and whether they have been rinsed.	e materials originally in
Certificate of Accuracy of Description: This is to certify that the above described materials are identified, packaged, marked, labeled, cleansed and prepared as indicated above.	properly classified,
Signature Charles (PLANT MANAGER) Date 10)-2-92
HILLSBORO LANDFILL ACTION. Disposal of the above described Special Waste Is	
Approved Disapproved for disposal at the Hillsboro Landfill.	
at the disposal rate of \$ 58. 5c per Ton \$ per trip minimum ch	narge.
Signature Charle B. Dray Dale_	10-6-92
GENERAL INSTRUCTIONS: Appointment may be required 24 HOURS prior to each disposure of the business check or have prior account established. To establish an account or to call for an 640-9427 SPECIAL INSTRUCTIONS	apporintment, Telephone
NOTE: Disposal rates may be subject to change without prior notice.	

Permit No.:

SANIFILL (OREGON

Northern Wasco County Landfill, Hillsboro Landfill, Riverbend Landfill

Approval Expiration:

Generator's Special Waste Profile Sheet

IMPORTANT: This form must be completed by a Representative of the Waste Generator. The information on this form must be typed or legibly printed in ink and signed by an Authorized Agent of the Generator. Completed form bearing original signature must be provided PRIOR TO DISPOSAL.

1.0 Genera	ator Information
1.1 Generator Name: KOPPERS INDUSTRIES, INC.	1.5 State Registration No.: N/A
1.2 Site of Waste Generation: PORTLAND TERMINAL Facility Address: 7540 NW ST HELENS RD City: PORTLAND State: OR Zip: 97210	1.6 Generator's EPA ID No.: <u>ORD027734359</u>
1.3 Technical Contact: AMOS KAMERER	1.7 Facility Phone: (<u>503</u>) <u>286–3681</u>
Title: 1.4 General Site Activity: STORAGE, LOADING AND UNLOADI	(<u>503</u>) <u>286–3681</u>
2.0 Was	ste Description
2.1 General Waste Description: COAL TAR PITCH DUST AND) DEBRIS
2.2 Process Generating Waste: TRUCK LOADING AND MATE	RIAL HANDLING (SPILLS)
2.3 Is this Waste "Hazardous Waste" as defined by Federal. State o	or Local Regulations: Yes X No
2.4 Has this waste ever been "Handled, or "Disposed" of as a hazar material X waste X disposed of via a "ur If yes, explain	niform hazardous waste manifiest".
2.5 Waste Generation Rate: Tons 100 Cubic Yards Per: Day Week Year X Other	Other: rOne Time Disposal?Yesx No
2.6 Waste will be transproted in : X Roll Off Boxes X Dump Trucks Other:	
3.0 Waste Properti	ies at Room Temperature
3.1 Physical State X Solid Semi-Solid Powder Liquid Combination: Other:	3.3 pH Range: N/A to:
3.2 Odor: X None Mild Strong	3.5 Percent Solid: 100 %
RETURNAPPLICATIONTO: Hillsboro Landfill, Inc. 3205 SE Minter Bridge Rd. Hillsboro, Oregon 97123 PH: 503-640-9427 FAX: 503-648-2490	3.6 Flash Point F°: None <140° F 140° - 199° F

		4.0 R	eactivity		
	Reactive with Water xplosive	Alkaline Reactive Thermally Sensitive	Autopolyme Shock Ser		Acid Reactive X None of the Above
		5.0 Was	te Contents		
This Wa	ste Contains:		,		
F F	ree Liquids free Cyanide free Sulfide free Ammonia Jone of the Above		ents OS te Oils Bio Agents RA GULATED SUBSTANCE	Pathogens HA Substance logical Mate dioactive Ma ES, SOLID PYRENE AL	rials Perials
			6.4 Transporter Nan	ne: METROI	POLITAN DISPOSAL
6.1 Proper U.S.	DOT Shipping Name: S	EE ABOVE *	Address:	P.O. BOX	11229 OR 97211
6.3 CERCLA R	azard Class: 9 eportable Quantity: 163 This Waste is NOT a DO	LBS F Hazardous Material	6.5 Technical Conta Pho		KAMERER
		7.0 Attach	ed Information		
7.1 ANALYTIC	CAL (Check all that appl TPH Gas/Diesel/ Semivolatile Org X MSDS	Oil BTEX		ides/Pesticid	TCLP Metals es TCLP Volatiles
		8.0 Billin	g Information		
8.1 Bill To:	KOPPERS INDUSTR	IES, INC.	Attention:	AMOS	KAMERER
	7540 NW ST HELE	NS ROAD	Phone No.:	503-286	-3681
	PORTLAND, OR 97	210-3663	P.O. #:		
			Job #:		
		9.0 Generato	r Certification		
notify author were of that the are no	Sanifill of Oregon if the sanifill of Oregon collected according to the appropriate chain of the sanifilm of t	there is a change in the to periodically reanally EPA Method SW-846 of custody was attached ardous Waste by the	waste stream informatic the waste, at my earn and that samples we and that samples we I further certify the USEPA or state regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste regression of the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste, at my earn and the waste regression of the waste regressio	expense. I are analyzed hat the wallations.	
Signat	ure M	Ti	tle Plant Mg	<u> </u>	Date 9/15/93

Koppers Portland Plant Annual Waste Minimization Report 2001

TYPES AND QUANTITIES OF HAZARDOUS WASTE GENERATED:

Results for Comparison Purposes

Year	2000	2001
Pounds hazardous waste generated	600	400
Pounds hazardous waste reduction		200
Percent hazardous waste reduction		33.3 %
Yearly Waste Disposal Cost	\$574.00	\$121.00

Discussion of Results: The calculation to determine the reduction in waste is based upon the actual volume of material disposed.

Progress and Annual Training: In 2001 Koppers, Portland plant, conducted Waste Minimization training. This training included a review of the waste minimization action plan and practices that are in place at the Portland plant. These include office waste, used oils, scrap metals, florescent bulbs and processed pitch back into the process.

Recommendations for Next Year: The Koppers Portland plant will maintain the same practices in 2002, with the goal of a further reduction of 15%.

Certification:

I certify that the information contained in this document is, to the best of my knowledge, true, accurate and complete.

Amos Kamerer, Plant Manager:

Date: 1/11/02

FROM : KOPPERS INDUSTRIES, INC.

KOPPERS INDUSTRIES

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663 Phone: (503) 286-3581

Fax: (503) 285-2831 Web Page: www.koppers.com

TO: Viself	DATE: 12/20/99
FROM: Amos	TOTAL # OF PAGES: 3
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IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

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LDR NOTIFICATION FORM

Genera	tor Name _Kopp	ers Industries			_ Mani	lest No.	99901				
Parsumi	1 to 40 CFR 5268.7(a)	I hereby notify that this	shipment contains waste	क्षांक्षतं ध	선물 40 CI	R Part 268	Land Disposal Restrictions (L	DR).			
ļ	A GENERAL WASTE NOTIFICATION										
Form Line No.	SK Profile No.	& LDR Suber	aste Codes negories (if any) ne Attachment L	WW	ww		Waste Constituent Notifi Check the "None" bux tend Constituent # or use.	or .			
1	221935	D002	n 1 has been word	⊠		None	Check if Attachment 2	lon been speed			
2	22 M36	□ Check if Affachmen		×		None	Check if Anadopent 2				
3		☐ Check if Altachman				None	Check if Attachment 2				
4		Check if Attachmen				☐ None	Check if Anschment 2	has been used			
5		☐ Check if Attachmen	t I has been used				☐ Check if Attachment 2	has been used			
6		Check if Attachmen	t t has been used			None	☐ Check if Attactament 2				
The	waste contains the foll	B. dentified above on Line l	HAZARDOUS DEI Vo(s). cet to mannest (check a	is subject Il that apply)	to the alo	नार्खण्य राज्य	ineni standards of 40 CFR 52				
Toxicity characteristic debris C. CONTAMINATED SOIL NOTIFICATION & CERTIFICATION This contaminated soil, as identified above on Line No(3). It subject to the alternative treatment standards of 40 CFR §268.49(c). Complete the following: "I certify under penalty of law that I personally have examined this contaminated soil & it [does / does not] contain listed becardous waste & [does / does not] contain listed becardous waste & [does / does not] certify in the contaminated soil of the language waste & [does / does not] contain listed becardous waste & [does / does not] contain listed by §268.49(c) or the universal insulants standards as provided by §268.49(c) or the universal insulants standards with a tre reasonably expected to be present to any given volumes of contaminated soil, except fluorise, selection, sulfider, wanted on a treatment of contaminated soil, except fluorise, selection, sulfider, wanted on a present of concentrations greater than any these the universal treatment standard.											
D. LAB PACK (INCINERATION) NOTIFICATION & CERTIFICATION This lab pack, as identified above on Line No(s). It subject to the alternative treatment standards of 40 CFR §268.42(c). Tourify under penalty of law that I personally have examined & an familiar with the waste & that has pack contains only wastes that have not been excluded moder Appendix IV to 40 CFR part 268 & that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR §268.42(c). I am aware that there are significant penalties for submitting a fulse cartification, including the possibility of flace or improgramment.											
	B. EXTENSIONS & VARIANCES This waste, as identified above on Line No(s). is not prohibited from land disputed & is subject to a deadline extension or variance, e.g., treshability variance, case-by-case extension. Describe below any extension or variance that applies to this waste & include applicable doses:										
	Generator's Authoriz	Signature	Name & Ti	tle (Propod o	Cov Typed)	Faren	1 7 2 1 Date	27			





PSI • 510 E. 22nd Street • Lombard, IL 60148

OFFICE PERFORMING SERVICES

PORTLAND, OREGON (503) 289-1778 FED. 10 37-1962091

PLEASE MAIL REMITTANCE TO

PO ECX: **711**68 CHICA**GO,** IL 65694-1168

MA-L FO

DUE ACCOUNTS.

KOPPERS INDUSTRIES, INC. 7540 NW ST. HELENS ROAD FORTLAND OR 97219 ATTN: APCS KAMERER B-LL TO

KOPPERS INDUSTRIES, INC. 7540 NW ST. HELENS ROAD PORTLAND OR 97210

CUSTOMER NUMBER	PURCHASE ORDER	INVOICE	- INVOICE NUMBER	PAGE NO.	FILE NO.	general Nation of Assessment Little	PROJECT NAME
û 27574		12/30/99	STATMT	: 21	752-95065	LIQUID	PITCH UNLOADING
							

TO ASSURE PROPER CREDIT TO YOUR ACCOUNT, PLEASE RETURN REMITTANCE COPY WITH CHECK MADE PAYABLE TO PROFESSIONAL SERVICE INDUSTRIES, INC. REPORT NUMBER DATE DESCRIPTION QUANTITY **UNIT COST** AMOUNT ACTIVITY ON THIS FILE INV NC DATE AMCUNT 67819 063099 3,875.20 PAYMENT 090299 3,875.26 74708 **073199** 1,665.60 RECEIVED PAYMENT 093099 1-665-60 PAYMENT 110299 1/259-40 93167 083199 2,647.90 PAYMENT UAN 1 8 200h 113299 2,647.90 96539 093099 283.20 PAYMENT 119299 283.20 KOPPERS INDS INC. PAYMENT 125299 283.20 -109084 PORTLAND OR 103199 123.00 110299 TABMYAG 123.08 We should recieve Tan. PAY THIS AMOUNT TERMS: NET 30 DAYS. A SERVICE CHARGE OF 1.5% PER **CURRENT MONTH** 30 - 60 DAYS 60 DAYS/OVER MONTH, WHICH IS AN ANNUAL PERCENTAGE RATE OF 18% ANALYSIS OF YOUR ACCOUNT 0.00 (1,542.60CR) 1,542.60CR WILL BE ADDED TO ALL PAST



PSI • 510 E. 22nd Street • Lombard, IL 60148

OFFICE PERFORMING SERVICES

PORTLAND, OREGON (503) 289-1778 FED. 10 37-0962090

PLEASE MAIL REMITTANCE TO

PO 80%: 7116 8

CHICAGO/CIL 60894-1768

KOPPERS INDUSTRIES, INC. 7540 NA ST. HELENS ROAD PORTLAND OR 9721:

∑ A - L	KOPPERS 7540 NW					
Ŷ	PORTLAND	\$	ĸ	AM	0 R 6 R	9721

CUSTOMER NUMBER	PURCHASE ORDER	INVOICE DATE	INVOICE NUMBER	PAGE NO.	FILE NO.	· ·	PROJECT NAME	<u> </u>
27574		12/30/99	STATET	01	702-90065	LIQUID PITO	H UNLOADING	
						<u> </u>		

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PSI • 510 E. 22nd Street • Lombard, IL 60148

THE PART WHEN THE PART OF THE

M KOPPERS INDUSTRIES, INC. 2 7540 NW ST. HELENS ROAD FORTLAND OR 97215 ATTN: AVOS KAMERER OFFICE PERFORMING SERVICES

PORTLAND, OREGON (503) 289-1778 FEO. 10 37-0962090

PLEASE MAIL REMITTANCE TO

PO EOX: 71168

CHICAGO IL 60694-1168

KOPPERS INDUSTRIES, INC. 7540 NW ST. HELENS ROAD PORTLAND OR 97210

	CUSTOMER NUMBER	PURCHASE ORDER	(NVO:CE DATE	INVOICE NUMBER	PAGE NO.	FILE NO.	PROJECT NAME	
ļ	27574		12/30/99	STATET	C 1	702-90065	LIQUID PITCH UNLOADING	f

DATE	REPORT NUMBER			DESCRIPTION				QUANTITY	UNIT COST	AMOUNT
			ACTIV	ITY ON THIS	FILE					
			NV NC	DATE		ANCUNT				
			67819	063099		,875.20				
			74708	090299 073199	3	r875.20				
		ρ	AYMEAT	093099		665.60 665.60				
		ρ	93167	110299 083199	1	259.40				*.
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		DAYS. A F 1.5% PER		CURRENT M	НТИО	30 - 60 DAY	rs e	60 DAYS/O\		PAY THIS AMOUNT
		N ANNUAL							.oca)	

WEST COAST MARINE CLEANING, INC.



455 °C" Street Washougal, WA 98671 (503)285-2485 (24 Hrs) (360)835-3780 FAX(360)835-7534

RECEIVED

DATE: 3/5/96

MAR / 1996

SOLD TO: Koppers Industries 7540 NW St. Helens Portland, OR 97210-3663

INVOICE #: ORV-1567

KOPPERS INDS., INC. PORTLAND, OR

JOB NAME: "Coat Tar"

urchase Order # Verbal-Amos	WORK ORDER NO OR V-1567	CONTRACT NO	Portland, OR	DATE STARTED 2/29/96	DATE COMPLETED 3/4/96
	DESCRIPTIO	ON OF SERVICES		RATE PER HOUR	EXTENDED PRICE
from railcars	and dump on site		uum Coal Tar		
2/29/96 06	00 to 1730 Thur	sday			
2 Operators		21.00 Hrs R/T	@	32.00	1
2 Operators		5.00 Hrs R/T over	@ @ @	16.00	
2 Guzzler D	ry Vacuums	19.00 Hrs	@	89.50	1700.50
3/1/96 0600) to 1800 Friday				
2 Operators	,	24.00 Hrs R/Γ	@	32.00	
2 Operators		8.00 Hrs P/T = 11	œ	16.00	
		22.00 Hrs	@	89.50	1969.00
3/2/96 0600	to 1500 Saturd	ау			
2 Operators		18.00 Hrs R/T	@	32.00	
2 Operators		18.00 Hrs P/T "	@ @ @	16.00	•
2 Guzzler D	ry Vacuums	16.00 Hrs	@	89.50	1432.0
3/4/96 0600	0 to 1200 Monda	y			
1 Operator		6.00 Hrs R/T	ω	32.00	192.0
1 Uperator 1 Laborer		6.00 Hrs R/T	<u>@</u>	30.00	180.0
l Guzzler D	ry Vacuum	5.00 Hrs	<u>~</u>	89.50	447.5
6" ADS Ho		250 Feet	@ @ @	1.25	312.5
	- -		6000		
			9 ·		
Terms: Due upo	on completion with s	submitted invoice.		TOTAL PRICE:	\$8,745.5

Page Lof I

KI 37G REV 2 2M 6/90		1000	CIRCL	E TERMS ON INVOICE
GIL DET S-DET.	LOC. DEPT. TAX	MOVE# EMP# PO# AMO	JNT A	
5050 0003	9270 925 0362	291	5 - INV# 156	7 DATE 3/5-196
AND THE CONTRACTOR OF THE PROPERTY OF THE PROP	9270 925 0362		16 -	Transfer of the second
The Administration of the Control of	9270 925 0362	Level to the first a financial and the state of the company of the	VS - V A/F	DEPARTMENT USE ONLY
THE PERSON NAMED IN	10 TO 10 TO		VENDOR NUMBER	003481001
			点的证式。2) 對個的影響,我與影響	DUE DATE: / /
OK TO		GROSS AMOUNT 874		MONTH AUDIT NUMBER
	And the second s	DISCOUNT 6	483	03-92700254
IMRORTANT CIRC	CLE TERMS ON INVOICE	NET 8		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



West Coast Marine Cleaning, Inc. 455 °C * Street • Washougal, WA 98671 • (503) 285-2485 • (360) 835-3780 • FAX (360) 835-7534 • 24 Hour Service

DAILY WORK SHEET

Our Job #	<u>0XU-/56/</u>			Job Co	omplete Yes	No			
PO #	R#		Vehicle #	2 1	+ 119				
Customer	Knowes		Trailer #						
Job Locatio	R# KOPPERS n KOPPERS TEA	M		er - Out					
Job Descrip	otion:		Mileage Mete		**				
Customer F	SANCE OF STREET								
Company F	Rep / /	acce.	Operator						
DATE	EMPLOYEE	START JOB	LUNCH	FINISH JOB	JOB TIME	EMPL. S/S No.			
विकास के कि स्ट्री में की	Mike Murphy	0600	,	1730	10.5				
					-				
MATERIALS	USED = 200 Section 1		OFFICE USE ONLY: T&M CONTRACT						
		<u> </u>	SUPERVISIO		• •				
MATERIALS	PURCHASED			JIPMENT					
	1			HARGE		Υ			
						,3			
TIME	WORK DESCRIPTION	<u> </u>	TIME	<u> </u>	*				
2400			1200						
0030		· ·	1230		· .	<u></u>			
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0430			1630	5/	OAds				
0500		•	1700						
0530			1730						
0600			1800						
0630			1830	4.5	Ars 1.	ruck Time			
0700			1900			era estada estado o estado estado estado estado estado estado estado estado estado estado estado estado estado			
0730			1930						
0800			2000						
0830			2030						
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1000	*.		2200		· · · · · · · · · · · · · · · · · · ·				
1030			2230						
1100			2300						
1130			2330						



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DAILY WORK SHEET

Our Job #	080-1567			Job Co	mplete Yes	No			
					129				
P.O. #	Koppers		Vehicle # Trailer #	# 1	00				
Customer_	KOPPERS TO	-	Mileage Met	èr - Out					
Job Localic Job Descrip	TO BOUGHT THOUGHT A France 🛣 💆 💆			er - Out er - In					
	Rep 3. 1/		· - · · ·	ÿ					
Company F			Operator						
DATE	EMPLOYEE	START JOB	LUNCH	FINISH JOB	JOB TIME	EMPL. S/S No.			
2/25	LES Murphy	0600		1730	10.5				
THE STATE			, v						
						4 4 4 4 4			
MATERIALS	USED 1001 ADS A	ase	OFFICE USE	ONLY: T&M	C	CONTRACT			
			SUPERVISIO						
MATERIALS	PURCHASED		SAFETY EQUIPMENTSTAND BY						
AND SAN SAN				HARGE					
TIME	WORK DESCRIPTI	ON	TIME						
2400			1200						
0030			1230			<u> </u>			
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1000			2200			. ·			
1030			2230						
1100			2300						
1130			2330						



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DAILY WORK SHEET

Our Job #	ORU-1567			Job Co	mplete Yes	No
PO #	R#	•	Vehicle #	سليبين	119	
Customer	KOPPERS				+	
Job Location	on Koppers TER	17.		er - Out		
Job Descri				er - In		
	Rep T. 7.		Total Miles _			
Company I			Operator	, <u>, , , , , , , , , , , , , , , , , , </u>	<u> </u>	
		T	1		3 4 .	<u> </u>
DATE		START JOB	LUNCH	FINISH JOB	JOB TIME	EMPL. S/S No.
01	MIKE Murchy	0600	φ	10:00	4	
3-1	MIKE Murphy RANDYLEFEVE	0930		6 PM	8	
MATERIALS	S USED		OFFICE USE	ONLY: T&M	C	ONTRACT
				N		
MATERIALS	S PURCHASED			JIPMENT		· · · · · · · · · · · · · · · · · · ·
			FUEL SURCE		STAND B	Υ
TIME	WORK DESCRIPTIO	N	TIME	11th 1	· · · ·	· · · · · · · · · · · · · · · · · · ·
2400			1 1'	4th Load		
0030				*		
0100	() () () () () () () () () ()		1300			
0130			1330	5th Lo	PD	
0200			1400			
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0300			1500	6 1 10A	p5	
0330			1530	···		· · · · · · · · · · · · · · · · · · ·
0400			1600			
0430			1630			
0500			1700			
0530		<u> </u>	1730	HAT:	Truc	K Time
0600	LEAVE Shop		1800			
0630			1830			
0700	ALIVE KOPPE	CFS	1900			
0730			1930			
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0900	2.		2100			
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1000			2200			
1030	The same of the sa		2230			
1100	3 1		2300	·		
1120		·	0000			



West Coast Marine Cleaning, Inc. 455. "C" Street • Washougal, WA 98671 • (503) 285-2485 • (360) 835-3780 • FAX (360) 835-7534 • 24 Hour Service

DAILY WORK SHEET

Our Job #	ORU-1567		Job Co	mplete Yes	No ^_					
Po #	R.#		Vehicle #		122					
Customer	Koppels	· · · · · · · · · · · · · · · · · · ·	Trailer # _							
Job Locati	on Koppeds 7	SO PON		eter - Out						
THE YOU MAKE THE	iption			eter - In						
	Rep 4.17		Total Miles	<u> </u>						
Company	Rep //		Operator							
DATE	EMPLOYEE	START JOB	LUNCH	FINISH JOB	JOB TIME	EMPL. S/S No.				
1738 / 1738 1	(C. V. 8) (C. 1977)				12					
27/	LES Murphy	0600	-0	6pm						
MATERIALS	S'USED.		OFFICE USE ONLY: T&M CONTRACT							
			SUPERVIS	ION						
MATERIALS	S PURCHASED		SAFETY EQUIPMENT STAND BY							
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	がも使う。 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			OTATOL						
TIME 2400		<u>N</u>	1200	<u></u>	<u> </u>					
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			1330	5 Th 60						
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0330			1530	DOM!	<i>/)</i>					
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0500			1700	118		ck Time				
0530			1730		- 110					
0600	Leave Shop		1800							
0630	pm C [M] ()		1830							
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West Coast Marine Cleaning, Inc. 455-1C" Street • Washougal, WA 98671 • (503) 285-2485 • (360) 835-3780 • FAX (360) 835-7534 • 24 Hour Service

DAILY WORK SHEET

Our Job#	ORU-1567			Job Co	omplete Yes	No
		\$1.		•	# 100	
P.O. #,	R# Kopares				H Ida	
Customer	on. Koppers Te		Trailer #	er - Out		
lab Daasa			Mileage Met	er - Out er - In	·	
Customer	Rep J			- (ii		
Company	Rep Dun	-04	Operator			
	00/		· · · · · · · · · · · · · · · · · · ·			
DATE	EMPLOYEE	START JOB	LUNCH	FINISH JOB	JOB TIME	EMPL. S/S No.
3.9	LES Murphy		·			` *
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West Coast Marine Cleaning, Inc. Street • Washougal, WA 98671 • (503) 285-2485 • (360) 835-3780 • FAX (360) 835-7534 • 24 Hour Service

DAILY WORK SHEET

Our:Job #; <u>s:<i>OXU = 1.56.7</i></u>			Job Co	omplete Yes	No
RO #		Vehicle #		#119	
		Trailer #			
Customer 197013 Job Location: 197013	e de la compansión de l	Mileage Mete	er - Out		
Job Description			er - In		
Customer Rep					
Company Rep.		Operator		* .	· · · · · · · · · · · · · · · · · · ·
DÂTE	START JOB	LUNCH	FINISH JOB	JOB TIME	EMPL. S/S No.
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West Coast Marine Cleaning, Inc. 455 "C" Street • Washougal, WA 98671 • (503) 285-2485 • (360) 835-3780 • FAX (360) 835-7534 • 24 Hour Service

DAILY WORK SHEET

Our Job #	OAV 1367			Job Co	mplete Yes	_ No
PO #	R#		Vehicle #	119		
	K. PPErs	· · · · · · · · · · · · · · · · · · ·	Trailer #	119		
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Job Descri	ption		Mileage Met	ter - In		
Customer I	ption Rep. ##					
Company I	Rep /	-	Operator			
		. OT4 OT 100	1	T ENVIOLE IOP I	100 7115	51101 0/0 N
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314	Philip Lucken			-		
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1100			2300			
1130			2330			



MASTER LICENSE SERVICE **REGISTRATIONS AND LICENSES**

STATE OF **WASHINGTON**

UNIFIED BUSINESS ID #: BUSINESS ID #: 601 139 216

001

LOCATION:

0003

EXPIRES:

12-31-1996

ORGANIZATION TYPE FOREIGN PROFIT CORPORATION

KOPPERS INDUSTRIES, INC. 7540 NW SAINT HELENS RD PORTLAND OR 97210

TAX REGISTRATION

PESTICIDE DEALER

The above entity has been issued the business registrations or licenses listed DEPARTMENT OF LICENSING, BUSINESS & PROFESSIONS DIVISION, P.O. BOX 9034 OLYMPIA, WA 98507-9034 (360) 753-4401

0005673 ZN

IMPORTANT!

PLEASE READ THE FOLLOWING INFORMATION CAREFULLY BEFORE POSTING THIS DOCUMENT.

General Information

- Post this document in a visible place.
- ☐ This document may have been issued as a result of changes to your account. If you were issued a Registrations and Licenses document before, destroy the old one and post this one in its place.
- ☐ If you were issued renewable licenses, the expiration date appears in the upper right-hand corner on the reverse side of this document. Business and Professions Division will mail a renewal notice to you four to six weeks before that date.
- Registrations remain in effect as long as you continue required reporting (see Registrations).
- Please contact Business and Professions Division if you change your business name, location, mailing address, telephone number, or business ownership.

Registrations

If you applied for registrations with Department of Revenue, Department of Labor & Industries, or Employment Security Department, these registrations will appear on your Registrations and Licenses document. However, your registration with these agencies is not complete until they have established an account for your business.

Each registering agency requires you to submit periodic reports. Each agency will send you the necessary reporting forms and instructions.

Corporations

Submitting an MBA does **not** authorize you to legally operate as a corporation if you have not filed with the Corporations Division of the Secretary of State. If you have any questions, call (360) 753-7115.

Rev. 6/95

The Department of Licensing has a policy of providing equal access to its services. If you need special accomodation, please call (360) 753-4401 or TDD (360) 586-2788.

<u> </u>				ATT ATT ATT ATT ATT ATT ATT ATT ATT ATT
Approvals		. (1	C	ffic D W
Koppers Industries, Inc. Pittsburgh, PA 15219	•			<u>62-4</u> 311
	Location No. 9270	Date NOV.	21, 1996	No. 233727
Pay to the order of	KOPPERS 1/2 INDUSTRIES. INC			\$45.00********* Not valid over \$3500.00
DEPT. OF LICENSING/BUS.	• PROFESSIONS DIV	•		
P.O. BOX 9034				
OLYMPIA, WA 98507-9034		Sena	The yolur	
Pay	vable through Mellon Bank (DE) N.A., Mellon Bank (East) N.A., Philadelp	, Wilmington, DE 19899 ohia. PA 19102	fffr-	
KI 179 3/90 10M II 2 3 3 7 2 7 II	• :031100047:	211921841	B #	
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Vendor No.

Description

9406 0

980 33	WASHINGTON	STATE	PESTICIDE	RENEWAL	OF	LICENSE				
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				1 .				.00	1	

YOUR NEW EXPIRA I certify under penalty of p have read and understand matters and things set forti information.	erjury under the laws of the State of Washington that I the conditions and requirements described, and that the non-this renewal application, including any accompanying correct.
	1 C Kampees Plant MANAGE

A. S. Kameece Plant Manager

Most Sole Proprietor, Partner, Officer of the Corporation, or LLC Member

Mager

Most Hand (multiment) 196 Portland (multiment), Organ (503) 256 - 36.91

Place (City & County) Where Signed

Business Telephone Number

UBI: 601 139 216 001 0003

Check if one of the following occurred:
Change of ownership
Change in partnership

Please return the renewal application and payment to:

DEPARTMENT OF LICENSING BUSINESS AND PROFESSIONS DIVISION PO BOX 9034 OLYMPIA, WASHINGTON 98507-9034

(360) 586-5368



STATE OF WASHINGTON DEPARTMENT OF LICENSING BUSINESS AND PROFESSIONS DIVISION

EXPIRATION DATE: 12-31-1996

To avoid penalties, payment must be made on or before this date.

MASTER LICENSE RENEWAL APPLICATION

Please make any corrections to business name, mailing address or business

UNIFIED BUSINESS ID#: 601 139 216 001 0003

BUSINESS LOCATION ADDRESS:

KOPPERS INDUSTRIES, INC. 7540 NW SAINT HELENS RD PORTLAND OR 97210

OFFICE USE ONLY 9645-W 01P-400-731-0003 BUSINESS MAILING ADDRESS:

7540 NW SAINT HELENS RD PORTLAND OR 97210-3663

AM	OUNT DUE	LATE	CHARGE
LEASE	COMPLETE	THE BA	CK.
\$	30.00 6.00	\$	0.00 0.00
	9.00		0.00
		ĺ	
\$	45.00	\$	0.00
-	\$	\$ 30.00 6.00 9.00	\$ 30.00 \$ 6.00 9.00

YOUR NEW EXPIRATION DATE WILL BE: 12-31-1997

I certify under penalty of perjury under the laws of the State of Washington that I have read and understand the conditions and requirements described, and that the matters and things set forth on this renewal application, including any accompanying information. If true and correct.

A.S. Kamelex Plant Manyer of Sole Proprietor, Partner, Officer of the Corporation, or LLC Member Portland (multionah), Orgon (503) 286-3681

Date and Place (City & County) Where Signed

Business Telephone Number

BLS-700-101 MASTER LICENSE RENEWAL (R/1/96) Page 1 of 2

Check if one of the following occurred: Change of ownership Change in partnership

UBI: 601 139 216 001 0003

45.00

\$

Requested by: 12-16-1996

Please return the renewal application and payment to:

DEPARTMENT OF LICENSING BUSINESS AND PROFESSIONS DIVISION PO BOX 9034 OLYMPIA, WASHINGTON 98507-9034

(360) 586-5368

Total Due:

COMPLETE ANY SECTIONS BELOW WHICH APPLY TO YOUR BUSINESS. Attach additional sheets if necessary.

If you wish to cancel your Minor Work Permit, please mark this box	
Estimate how many minors (under age 18) you plan to employ during the	e next 12 months?
Are any of these minors under the age of 16? YES NO If y	yes, how many?
Are you employing these minors in an agricultural business?	
List below the specific duties performed by minors at this location. Duties	s must be listed each year.
NOTE: Industrial Insurance is required before minors can be hired.	
IURSERY LICENSES: COMPLETE THIS SECTION IF THE TYPE OF	R VOLUME OF NURSERY SALES HAS CHANGED.
	your sales. Determine your fees based on your gross annual nursery sale total due has changed, remit the new total. The fees listed below includ
NURSERY RETAILERS	NURSERY WHOLESALERS
Gross Annual Sales Pay this Amount	Gross Annual Sales Pay this Amount
Under \$100 no license required/issued \$100-\$2,500 \$42.00	Under \$15,000 \$90.00 Over \$15,000 \$180.00
\$2,501-\$15,000 \$90.00 Over \$15,000 \$180.00	
\$100.00 \$100.00	
ESTICIDE DEALER: COMPLETE THIS SECTION EACH YEAR.	
Designated Dealer-Manager Amos S. KAMERER	WA License No601 139 216
Alternate Dealer-Manager	WA License No
without a Washington licensed dealer-manager on site. In addition, pesti-	
without a Washington licensed dealer-manager on site. In addition, pesti- any changes to the dealer-manager designation.	
without a Washington licensed dealer-manager on site. In addition, pesti- any changes to the dealer-manager designation. IQUOR, LOTTERY, OR TELEPHONE SOLICITOR LICENSES: Name and address of landlord:	icide law requires that you promptly notify the Department of Agriculture
without a Washington licensed dealer-manager on site. In addition, pestiany changes to the dealer-manager designation. IQUOR, LOTTERY, OR TELEPHONE SOLICITOR LICENSES: Name and address of landlord: Is this business owned by, controlled by, or affiliated with any other busin If yes, list entities:	
without a Washington licensed dealer-manager on site. In addition, pestiany changes to the dealer-manager designation. IQUOR, LOTTERY, OR TELEPHONE SOLICITOR LICENSES: Name and address of landlord: Is this business owned by, controlled by, or affiliated with any other busin If yes, list entities: Is anyone other than the licensee to share in the profits or losses?	ness entities?
without a Washington licensed dealer-manager on site. In addition, pestiany changes to the dealer-manager designation. IQUOR, LOTTERY, OR TELEPHONE SOLICITOR LICENSES: Name and address of landlord: Is this business owned by, controlled by, or affiliated with any other busin If yes, list entities: Is anyone other than the licensee to share in the profils or losses? If yes, list names and addresses: (Do not list shareholders of a corporate officers or sto	ness entities?
without a Washington licensed dealer-manager on site. In addition, pestiany changes to the dealer-manager designation. IQUOR, LOTTERY, OR TELEPHONE SOLICITOR LICENSES: Name and address of landlord: Is this business owned by, controlled by, or affiliated with any other busin If yes, list entities: Is anyone other than the licensee to share in the profils or losses? If yes, list names and addresses: (Do not list shareholders of a corporate officers or stop a financial interest in this business? If yes, list names and addresses:	ness entities?
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without a Washington licensed dealer-manager on site. In addition, pestiany changes to the dealer-manager designation. IQUOR, LOTTERY, OR TELEPHONE SOLICITOR LICENSES: Name and address of landlord: Is this business owned by, controlled by, or affiliated with any other busin If yes, list entities: Is anyone other than the licensee to share in the profils or losses? If yes, list names and addresses: (Do not list shareholders of a corporate officers or stotal financial interest in this business?	ness entities?

Koppers009607

General	Detail	Sub	Location	Dept.	Tax	Emp No	757	Purcha	se Order N		P.O. Add	ant o policity desirable	esemble of them is the second	Unit	Amount Distril	buted
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Vendor No.

Description

9406 080 33

WASHINGTON STATE PESTICIDE RENEWAL OF LICENSE

KOPPERS

SECOND REQUEST 9/30/94 10:00AM

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663

FAX TRANSMITTAL

SVEN HANSEN / ERIK LAURIDSEN - TAN TECH MOS KAMEKER TOTAL # OF PAGES: / Liquid pitch ship's ARE the pumps on the ships that would unload the pitch " positive displacement" type & WE ARE WONDERING IF these pumps will continue to pump, After the vessel's TANKS Are empty, to clean the Approximate 1,000 feet of product lives from the ship to our tanks? or do we need to design into the project A GRADUAL FAIL IN the line AND A RESERVOIR FANK to Remove the pitch from Dlease Advise. Thanks.

KOPPERS INDUSTRIES FAX Transmittal

To Amos	
Company Name Koppers Industries	
FAX Number 503/285-2831	Date <u>September 26, 1994</u>
From Ed Bennett	
Number Of Pages To Follow Three	
If you didn't receive all material (412) 227-2316. Our copier number	transmitted, please call us at is (412) 227-2841. It is a Ricoh 230.
Following is a quote on a three note the price of \$4,676 covers only Actually, this makes Ponder's price	
ships: before a final decision we r	n on the fume system when unloading need to know how you will clear the At a quick glance, the existing fume
Ed throws the only time our	- fume system couldn't hundle the discharge
world be if we steamed our	" the live _

KOPPERS

FAX TRANSMITTAL

Resent 9/22/94

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663

TO: Ed Bennett, Follansbee	DATE: 9/15/94 FAX: (503) 285-2831
FROM: Amos	TOTAL # OF PAGES: /
RE: Fume Recovery System	
A question has come up that weed	Le your Answer.
When we "someday" bring in	logoid pitch by ship,
Up to 6,000 M. TONS ON A VES	sel, will our fune
Recovery system handle the	volume or will the
unlanding live have to have back to the Ship &	A forme Refun line
back to the ship ?	,
ence to the entry	
eng to the eng s	
Ship pump size is 300 M	1. TONS /hown (1000 GAL./MIN.)
Ship pump size is 300 M	1. TONS /hown (1000 GAL./MIN.)
	1. TONS /hown (1000 GAL./MIN.)
Ship pump size is 300 M 8 bar dischange pressur Approx. 200°C dischan	1. TONS /han (1000 GAL./MIN.) Le uge temp (392°F)
Ship pump size is 300 M 8 bar dischange pressur Approx. 200°C dischan	1. TONS /han (1000 GAL./MIN.) Le uge temp (392°F)
Ship pump size is 300 M. 8 bar dischange pressure Approx. 200°C dischant Would Appreciate your thoughthe with the local engineer,	1. TONS / hown (1000 gar./min.) Le Age temp (392°F) At ASAP. L'in meeting CAM Mc Kennan, Monday
Ship pump size is 300 M. 8 bar dischange pressure Approx. 200°C dischant Would Appreciate your thoughthe with the local engineer,	1. TONS / hown (1000 gar./min.) Le Age temp (392°F) At ASAP. L'in meeting CAM Mc Kennan, Monday
Ship pump size is 300 M 8 bar dischange pressure Approx. 200°C dischant Would Appreciate your though with the local engineer, a to discuse the piping design heard from you, I'll tell h	1. TONS /hown (1000 GAL./MIN.) LE MAR HEMP (392°F) SATI ASAP. L'A Meeting CAMMC KENAN, MONDAY N, etc. AND IF I MANN'T IM THAT hopefully I CAN
Ship pump size is 300 M. 8 bar dischange pressure Approx. 200°C dischant Would Appreciate your thoughthe with the local engineer,	1. TONS /hown (1000 GAL./MIN.) LE MAR HEMP (392°F) SATI ASAP. L'A Meeting CAMMC KENAN, MONDAY N, etc. AND IF I MANN'T IM THAT hopefully I CAN

IF INCOMPLETE OR POOR QUALITY TRANSMITTAL, PLEASE CALL 503-286-3681.

TO: SAYCED SALTAN, K-2050	DATE: 9/2/94 FAX: (803) 286-2831
FROM: Anos	TOTAL # OF PAGES: /
RE: Syen HANSEN - Cognid pitch.	ship unlanding - Answer to Glassins
shop size: Will yarry depending a	N Pty. transported. The larger
	fac "SEA FAP" which holds
6,000 M.T.	
pumps: 2 IN PARAllel, lASBAC	ck up, 300 M.T. / house
8 ban dischange pres	
Temp' AT discharge - 2000	C
Required AT RECEIVING locas	Tion - N/A As long AS NO WATERIN
No poditionar planform is Need	ed to the existing dock.
The convection would be A fixe	d''swan Neck", 5
Sven says you need to look	
System At the plant to se	· · · · · · · · · · · · · · · · · · ·
the fine volume of the dis	, ,
_	th details, otherwise,
these should be 2 lines (
the system.	<u> </u>
Sven feels, to Contrary to CAM.	McLeiner, that there is
Ample Room on the existing	
(below the worthway) to RUN	
	line to the melter & TANKS.
	CC: LiFlahenty
IF INCOMPLETE OR POOR QUALITY TRANSMITTAL, PLEASE	

J. CAMERON McKERNAN

Engineer - Naval Architect

1208 S.E. 7th Avenue • Portland, Oregon 97214 • (503) 232-7211 • FAX (503) 232-7658

File No. P94-26 October 27, 1994

Sayeed Sultan Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Subject: Pacific Northern Oil Co. Pier

(Located on Northwest Natural

Gas Co. property)
Ship Unloading Pipeline

Dear Sayeed,

I am forwarding the information you requested in your facsimile transmission dated October 21, 1994.

The answers to your specific questions are as follows:

- 1. Obtaining permits for the piling and pipe supports in the Willamette River will be routine. Ship unloading is a permitted activity and there should be no impediment to receiving permits to do that. The only problem will be time.
 - 2. Time to acquire permits. For planning purposes, I would allow a minimum of 4 months after completion of plans to obtain the permits. Principally we need to obtain a Corps of Engineers Permit and a City of Portland Land Use Review (Greenway) and Building Permit.
 - 3. The cost of the entire project I estimate to be \$540,000. You can see my attached estimate summary. I hesitate to apply a percentage accuracy to this estimate. I don't believe it's accurate within 10%. I have attempted to cover all the bases and to make sure the estimate would cover the total cost of the project. If we get a little further along in the design of this project we can do an estimate that has more accuracy.

I enclose the overhead projector slides (7) that you asked for.

Very truly yours,

J. Cameron McKernan

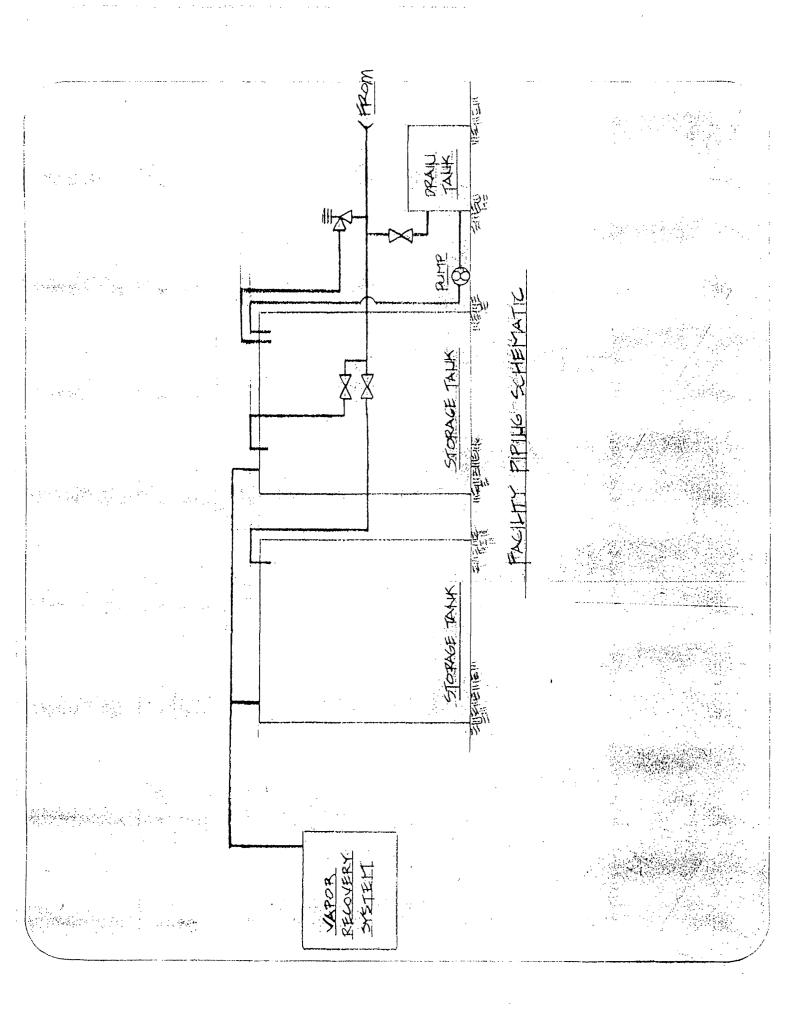
cc: Amos Kamerer

w/copies of enclosures

RECEIVED

g C 7 3 1 1994

KOPPERS INDS., INC.



			DATE	127/94
TO				
Spreed				G x
CAMERON	1 - 1 7 2 3	2-7211	72	32 - 7658
	**************************************			المعادة معاد
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capies or	VAC VITOS			
CAMCION				
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GRC:

GREIF BROS. CONTAINERS

SUNRISE EXPRESS, INC.

- 00x 00

5419 N.E. 88TH ST. • VANCOUVER, WASHINGTON 98665 (206) 574-5971 • OUT OF STATE 1-800-999-5971 FAX 1-206-574-8062

2/14/94

RON Opite - NWNAT- GAY

Rethe Dock situation -

- his mgt. is holding fact to their position of not manting to do Anything
- Beaser has NOT Responded positively, with Regard to End Site assessment involvement being similar to how K. Co. Responded to "Neighborhood" Request A few years back.
- he's Afraid that Any cooperation on the dock, will go hand in hand with our cooperation on the site Assessment.

⁻ He's Ameling (some vacation) that the 20th

⁻ OK to CALL BANDY IF I have ANY questions.

KOPPERS

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

1/20/94 FAX

WALT TURNER, K-1600 LARRY Plahenty, K-1750

I tacked to Ron Opitz, N. W. Nar. 60s, this aftennoon with regard to Sayced's findings on P.N.O. dock.

He promised to pensue the possibility of the joint use of this dock with his people — knowing that additional construction work, including the driving of nempilings, would be required to meet our weeds. He said that he would try to get back to me by the end of Next week.

Amos

AMOS S. KAMERER

KOPPERS INDUSTRIES

AMOS KAMERER	ELOW STATERO
co Koppers	CO. LOPPERS
Dept. PORTLAND	Phone #412-227-2325
Fax#	Fax # 412-227-384

Coppers Industries, Inc. 436 Seventh Avenue 3burgh, PA 15219-1800

Telephone: (412) 227-2001

Direct Dial: (412) 227-2325

Fax: (412) 227-2841

To:

AMOS KAMERER

From:

Sayeed Sultan

Location:

KOPPERS- PORTLAND

Location:

K-2050

Subject:

LINNTON OIL DOCK

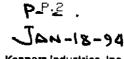
Date:

Jan-18-1994

NORTHWEST NATURAL GAS

PORTLAND.

	THANKS FOR SENDING ME THE SWAN WOOSTER
	BRAWINGS OF THE NORTHWEST NATURAL GAS CO.
	LINNTON OIL DOCK AND THE PHOTOGRAPHS. THE AERIA
	PHOTOS ARE VERY GOOD AND PROVIDE AN OVERALL
	VIEW OF THE GAS COMPANY AND KOPPERS INDS. PLANTA
	A BRILE RESUME OF THE LINNTON DOCK IS AS FOLLOWS.
	DESCRIPTION:-
	THE REHABILITATED DOCK IS APPROXIMATELY 165FT
	NORTH OF THE PLANT SHORE LINE AND IT IS CONNECTED
	BY A APT WIDE WALKWAY STRETCHING FROM A
,	TRESTLE AT THE SHORE TO A WALKWAY OF THE PIER.
	AS SHOWN ON THE ATTACHED SKETCH THE ENTIRE
	PIER IS 300FT LONG AND CONSISTS OF TWO
	BREASTING DOLPHINS AT EACHEND WITH A SERVICE
	PLATFORM IN THE MIDDLE. THE UPSTREAM AND THE
i	DOWNSTREAM DOLPHING ARE CONNECTED TO THE
1	
	SERVICE PLATFORM BY A 4FT WIDE WALKWAY



Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Phone: (412) 227-2001

KOPPERS INDUSTRIES IN PLAN AND CAPPED WITH 4 FT DEEP MASS OF REINFORCED CONCRETE

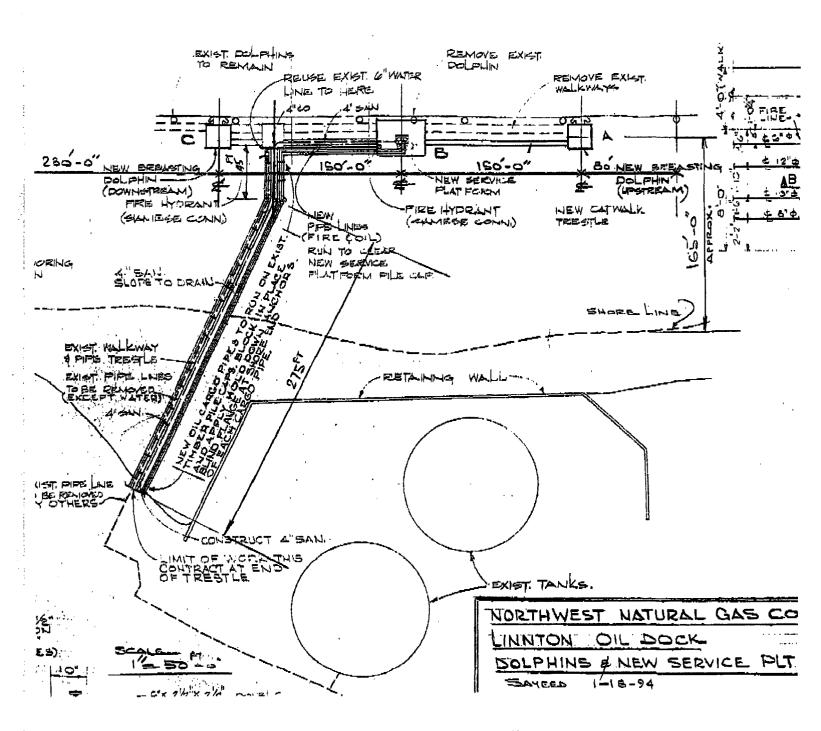


JAN-18-94

Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Phone: (412) 227-2001

		Phone: (412) 227-2001
BRO	DUGHT TO THE DOCK SIDE.	
<u></u>	NCLUSION:-	
WITHC	OUT GOING INTO TOO MUCH DET	AIL, I OFFER THE
FOLL	DWING OBSERVATIONS.	
	ASSUMING WE DECIDE TO EXT	THIS PIER ON
THE	UPSTREAM SIDE OF THE RIVER	THEN WE WOULD
REG	JUIRE;	
) A NEWLY DESIGNED SERVICE	PLATFORM WITH
	TWO OR MORE DOLPHING.	
	DA NEW BOX GIRDER STYLE	WALKWAY TO THE
	SHOPE LINE, DESIGNED TO S	SPECIAL THE PHEUMATIC
	CONVEYING LINES.	
(3	3, SUPPORT COLUMNS FROM T	HE SHOPE LINE TO
	OUR DISTRIBUTION STORACE	SHEDS.
	4) FULLER - KOVAKO ASSISTA	
	A 34 TO TO MILE LONG	CONVEYING LINE
	5. NORTHWEST NATURAL GAS	i e e e e e e e e e e e e e e e e e e e
	EXCAVATE FOR PIPE SUPP	
PLEA	ASE GIVE ME A CALL IF YOU W	YEAR ISWAY OF THE
<u>Sug</u>	STECT FURTHER INDETAIL	
	C :- WALT TURNER	SHEED
	C:- WALT TURNER LARRY FLAHERTY	
1	SILL MEISINGER	· was



KOPPERS

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

12/21/93 fax

W. Turner, L. Plohenty.

The ATTACHED is A FAR different Response than I expected to my request for A letter staring that we had Goss Company represent to proceed with our project, After Site Assessment and remediation of this property was completed.

Please Review and Advise your thoughts,

Amos

(503) 226-4211

December 16, 1993

Mr. Amos Kamerer Regional Sales Manager Koppers Industries 7540 N. W. St. Helens Rd. Portland, Or. 97210-3663

Dear Amos:

After our recent visit with you and your associate, we have discussed with our senior management your proposal and situation regarding the unloading facility you are requesting to build along the Willamette River. In order to reach a decision, we would like further clarification as to the role of your company in preparing the site for such an addition. Preliminarily, we would expect that Koppers would dismantle the old unloading ramp located at the north end of the shoreline and would additionally be responsible for any emergency response for any release, spills or discharges brought about during the construction of the new facility.

As we have previously discussed, we are about to conduct an investigation of the entire property at Gasco, including the parcel you lease from us, to determine the environmental condition and any possible risk associated with the existence of by-products from the old gas manufacturing operation that was once located there. We would appreciate a clearer expression from your company of the role you will play in the investigation and any resulting remediation work.

It is our hope that you will fully cooperate with our efforts and accept your responsibility for dealing with anything that has resulted from either your current or past operations.

Your response to these issues will help us to further clarify our position, and will enable us to expand our discussion with the senior management at Northwest Natural Gas Company.

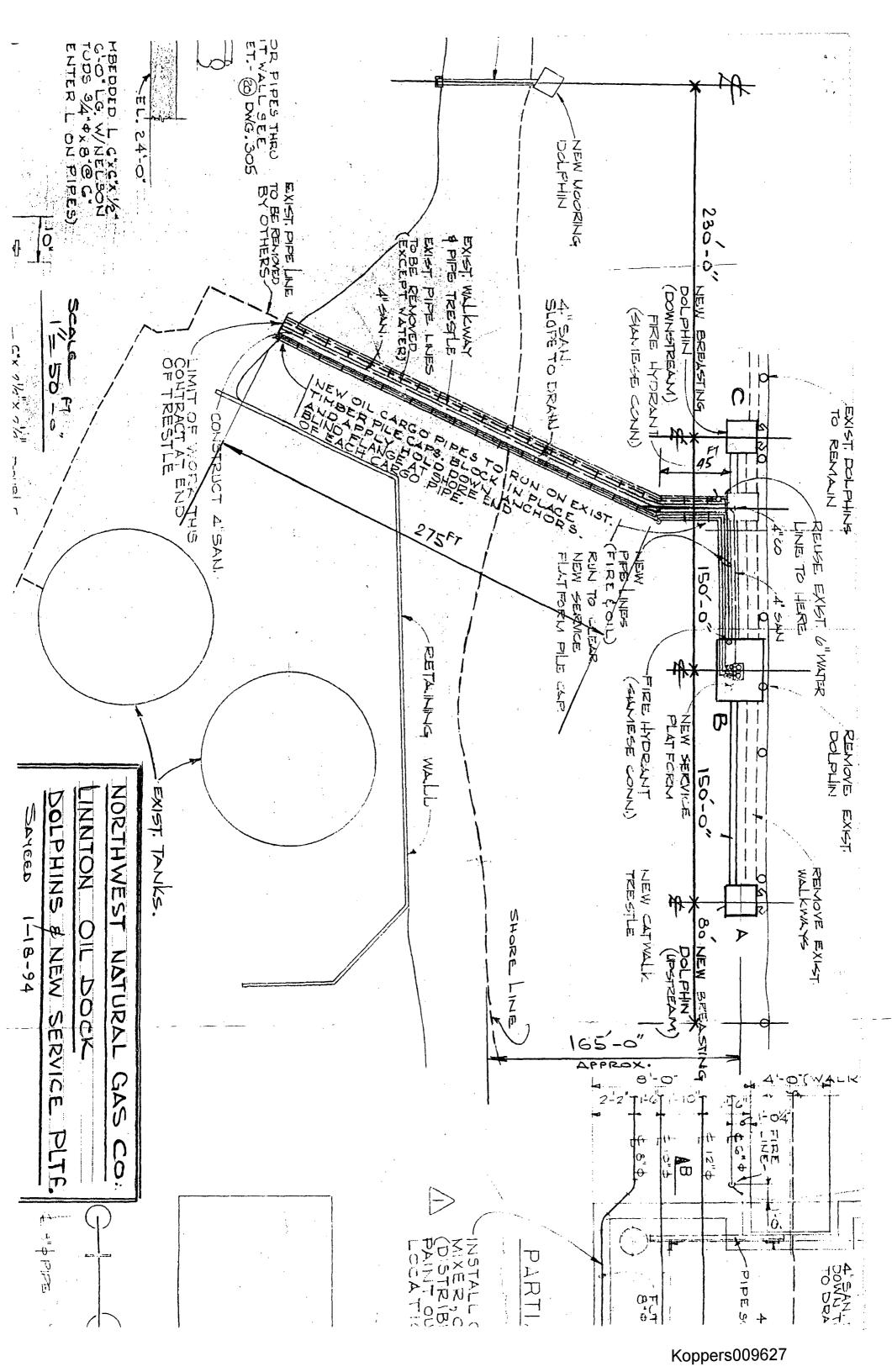
Best regards,

Ronald K. Opitz, Manager Risk & Land Management

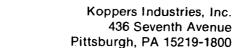
RKO:jd

cc:

Bruce Samson Bruce DeBolt Bill Prentice Sandy Hart KOPPERS INDS., INC.



FECEIVED JAN 24 1994 KOPPERS INDS, INC. PORTLAND, OR





Telephone: (412) 227-2001

Direct Dial: (412) 227-2325

Fax: (412) 227-2841

To:

AMOS KAMERER

From:

Sayeed Sultan

Location:

KOPPERS- PORTLAND

Location:

K-2050

Subject:

LINNTON OIL DOCK

Date:

JAN-18-1994

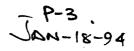
NORTHWEST NATURAL GAS PORTLAND.

THANKS FOR SENDING ME THE SWAN WOOSTER DRAWINGS OF THE NORTHWEST NATURAL GAS CO LINNTON OIL DOCK AND THE PHOTOGRAPHS. THE AERIAL PHOTOS ARE VERY GOOD AND PROVIDE AN OVERALL COMPANY AND KOPPERS INDS A BRIEF RESUME OF THE LINNTON DOCK IS AS FOLLOWS. DESCRIPTION:-THE REHABILITATED DOCK IS APPROXIMATELY NORTH OF THE PLANT SHORE LINE AND IT IS CONNECTED BY A 4FT WIDE WALKWAY STRETCHING FROM A TRESTLE AT THE SHORE TO A WALKWAY OF THE PIER AS SHOWN ON THE ATTACHED SKETCH THE ENTIRE PIER IS 300FT LONG AND CONSISTS OF TWO BREASTING DOLPHINS AT EACH END WITH A SERVICE PLATFORM IN THE MIDDLE . THE UPSTREAM AND THE DOWNSTREAM DOLPHINS ARE CONNECTED TO SERVICE PLATFORM BY A 4 FT WIDE COVERED WITH GRATING. EACH DOLPHIN IS



Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

_	Phone: (412) 227-2001 IN PLAN AND CAPPED WITH 4FT DEEP MASS OF REINFORCED
	CONCRETE
	THE SERVICE PLATFORM IS 25 FT WIDE X 40 LONG AND
	4FT THICK, IT IS DESIGNED TO SUPPORT THREE PIPES
	i.e. 12"\$, 10"\$ AND 8 \$ RESPECTIVELY. THESE THREE
	OIL CARGO PIPES ARE THEN CARRIED TO THE MAINLAND
	BY HANGER SUPPORTS FURNISHED ON THE EXISTING.
	Walknay.
	ASSUMPTIONS:
	IT APPEARS THAT THIS SMALL DOCK IS DESIGNED TO
	HANDLE BARGES WHICH ARE 150" TO 250" IN LENGTH.
	THE DOLPHINS APPEAR TO BE SMALL IN SIZE AND THE
	OVERALL DESIGN OF THE DOCK SEEMS TO BE TO
:	SERVE MEDIUM TO JUMBO SIZE BARGES.
	THE SERVICE PLATFORM IS CROWDED WITH PIPES AND
	IS MADE HOLLOW (SEE DWG. D-7699-309) TO
	ACCOMMODATE THE ELBOW OF THESE PIPES TO BE
	CARRIED BELOW THE PLATFORM LEVEL. IT DOES NOT
	APPEAR TO BE A LOAD BEARING PLATFORM AND
·	CERTAINLY WILL NOT SUPPORT THE FULLER- KOVAKO UNIT.
	THE DRAFT DEPTH IS NOT KNOWN. WE NEED TO
	INVESTIGATE THE MAX. DWT VESSEL WHICH CAN BE



KOPPERS

Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

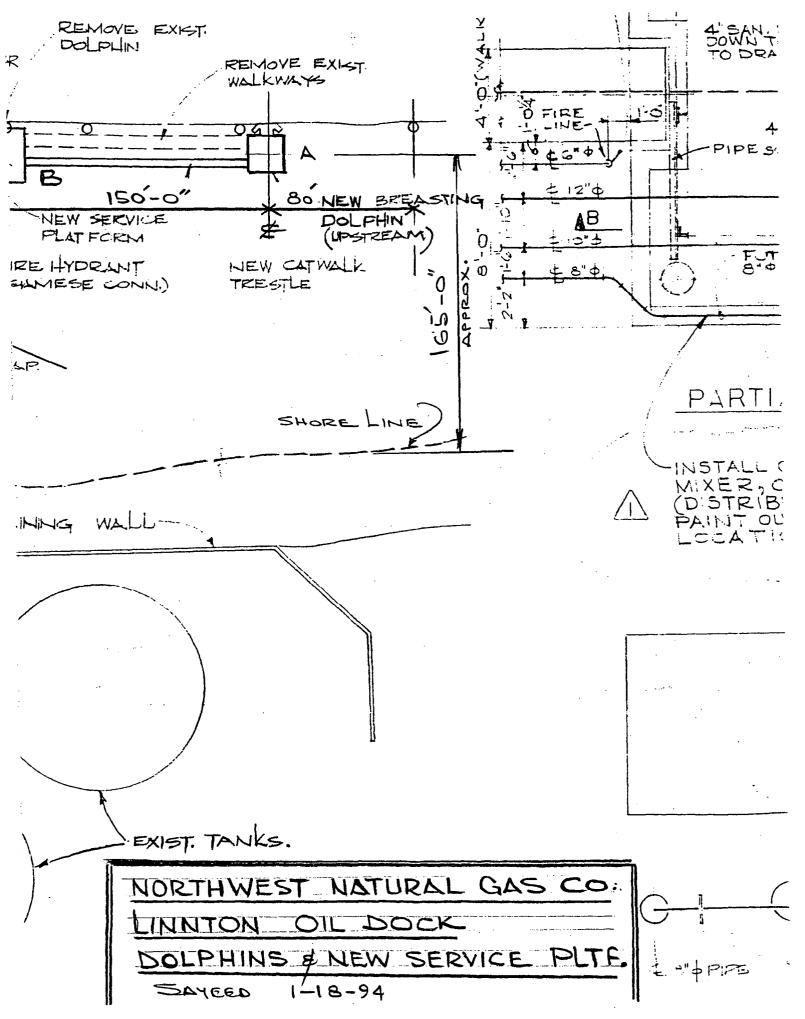
	Phone: (412) 227-2001
	BROUGHT TO THE DOCK SIDE.
	CONCLUSION:-
	WITHOUT GOING INTO TOO MUCH DETAIL, I OFFER THE
	FOLLOWING OBSERVATIONS.
	ASSUMING WE DECIDE TO EXTEND THIS PIER ON
	THE UPSTREAM SIDE OF THERIVER, THEN WE WOULD
·	REQUIRE;
	(1) A NEWLY DESIGNED SERVICE PLATFORM WITH
	TWO OR MORE DOLPHINS.
	(2) A NEW BOX GIRDER STYLE WALKWAY TO THE
·····	SHORE LINE, DESIGNED TO SUPPORT THE PHEUMATIC
	CONVEYING LINES.
	31 SUPPORT COLUMNS FROM THE SHORE LINE TO
	OUR DISTRIBUTION STORAGE SHEDS.
	M) FULLER-KOVAKO ASSISTANCE IN DESIGNING
**************************************	A 3/4 TO 7/8 MILE LONG CONVEYING LINE.
	(5) NORTHWEST NATURAL GAS PERMISSION TO
	EXCAVATE FOR PIPE SUPPORT.
	PLEASE GIVE ME A CALL IF YOU WANT TO DISCUSS THIS
	SUBJECT FURTHER IN DETAIL
	CC:- WALT TURNER DYERD. LARRY FLAHERTY
	LARRY FLAHERTY
	BILL MEISINGER

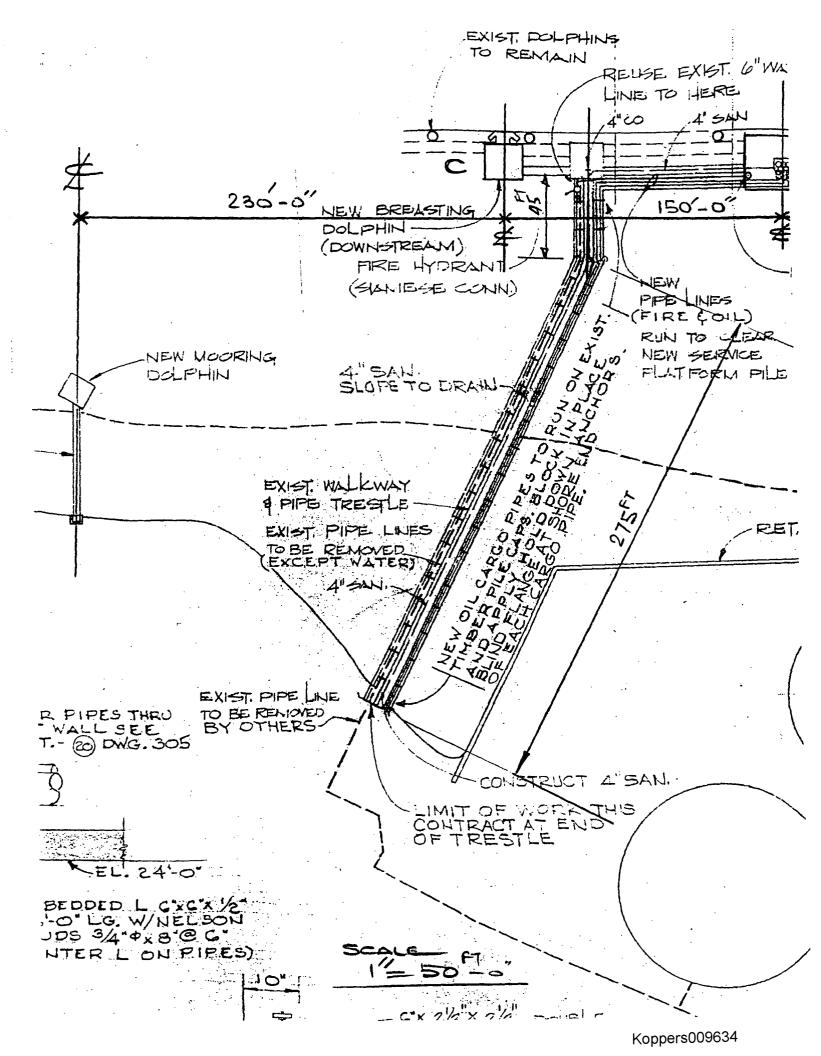


FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. Saint Helens Road Portland, OR 97210-3663

TO:	: Ameron	DATE:	<u> </u>	Tele -/3//9	phone: (503) 286-368 FAX: (503) 285-283
FROM	: Amos	TOTAL	# OF	PAGES:	3
RE:	NW Book				
	Here's the Ingi. we Liscond				
-					
	NCOMPLETE OR POOR QUALITY TRANSMITTAL: PLEASE CALL 503-28				·





Koppers Portland Facility Proposed Ship Unloading Pipeline Cost Estimate Page 1 of 2

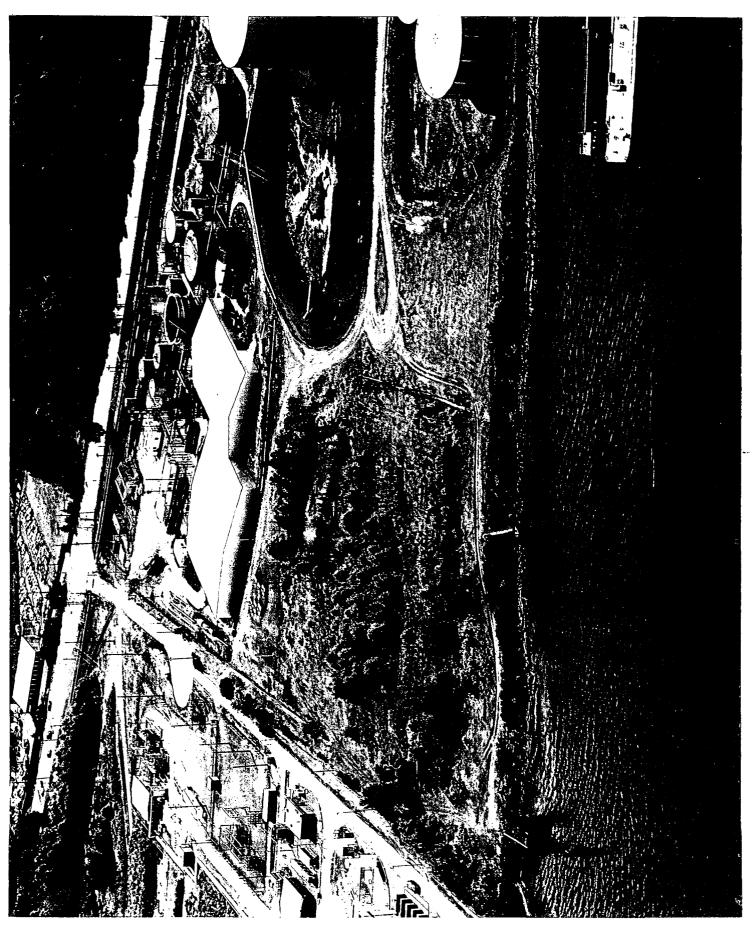
McKernan File No. P94-26 October 27, 1994

ITEM	DESCRIPTION	COST
Cargo Line	10" SCHD 40 A53 x 1500' @ 16.30/FT 1800 MH x 40.00 per MH	\$24,500.00 72,000.00
Heat trace Line	2" SCHD 40 A53 x 3000' @ 1.29/FT 720 MH x 40.00 per MH	4,000.00 28,800.00
Insulation & Lagging	2" fiber glass + stainless steel lagging	40,000.00
Pipe Rollers	Grinnel No. 175 @ 84.00 x 100	8,400.00
Pipe Support Steel	29,000 LBS @ 1.00/lb to fabricate & install	29,000.00
Pipe Support Bases	6' x 5' x 9" CIP Concrete - 90 YDS ⁸ @ 200 YDS ⁸	18,000.00
Base Anchors	216 A. B. Chance C107-0394 @ 116.00/each	25,000.00
Pipe Supports: Dock to shore	Pilings: 8 x 1,500.00 each truss between piling	12,000.00
Valves	3 10" Crane No. 467 @ 884/EA 1 10" Crane No. 47 x 4 @ 1486/EA 2 3" Crane No. 467 @ 171/EA	2,500.00 1,500.00 350.00
Pressure Relief Valve	Consolidated 1905 QC-XDL 6 x 8	5,700.00
Drain Tank	1600 ft ³ tank with 3/16" wall Tank 13' 0, h=12' 6125 lbs @ 1.00/lb	6,125.00
Heat Trace for Drain Tank	2" SCHD 40 x 500' @ 1.29/FT 120 MH x 40.00 per MH	700.00 4,800.00
Drain Line & Return to Tank	3" SCHD 40 A53 x 200' @ 2.85/FT 72 MH @ 40.00 per MH	600.00 2,880.00
Pump	50 GPM electric positive displacement w/gear box @ 500° F	11,000.00
Sub-total Page One		\$304,855.00

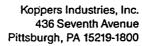
Koppers Portland Facility Proposed Ship Unloading Pipeline Cost Estimate Page 2 of 2

McKernan File No. P94-26 October 27, 1994

<u>ITEM</u>	DESCRIPTION	COST
Sub-total from Page One		\$304,855.00
Vapor Line	8" SCHD 40 350' x 10.10/FT 336 MH x 40.00 per MH	3,500.00 13,500.00
Electrical	Lighting and pump controls	25,000.00
Site	Walkway and service roads	25,000.00
Engineering:	Design and Construction Drawings	30,000.00
	Construction Supervision	25,000.00
Permits		15,000.00
Surveyor	Layout, elevations & calculations	15,000.00
Sub-total		\$456,855.00
+ 15% Contingency		<u>69,878.00</u>
TOTAL		\$535,733.00



Koppers009637





Phone: (412) 227-2001

PLEASE GIVE ME A CALL AFTER YOU HAVE DEVELOPED
 THIS FIGURE, BEFORE SUBMITTING TO L. FLAHERZY.
IN A MEETING WITH WALT TURNER & L. FLAHERTY & BILL MEISINGER WALT MENTIONED THAT HE
LIKES THE DOCK FACILITY TO BE DESIGNED TO HANDLE LIQUID PITCH IN FUTURE.
 I HAVE Spoken TO CAMERON REBARDING THIS
 LE VERY APPROPRIATE. I BELIEVE HIS APPLICATION
FOR PEDMIT MUST HAVE EITHER THIS DISCLOSURE OR ON STATEMENT TO THIS EFFECT.
SIZ ISN SIZIENEW IS THIS EFFECT.
REGORDS.
REGARDS.
REGARDS.

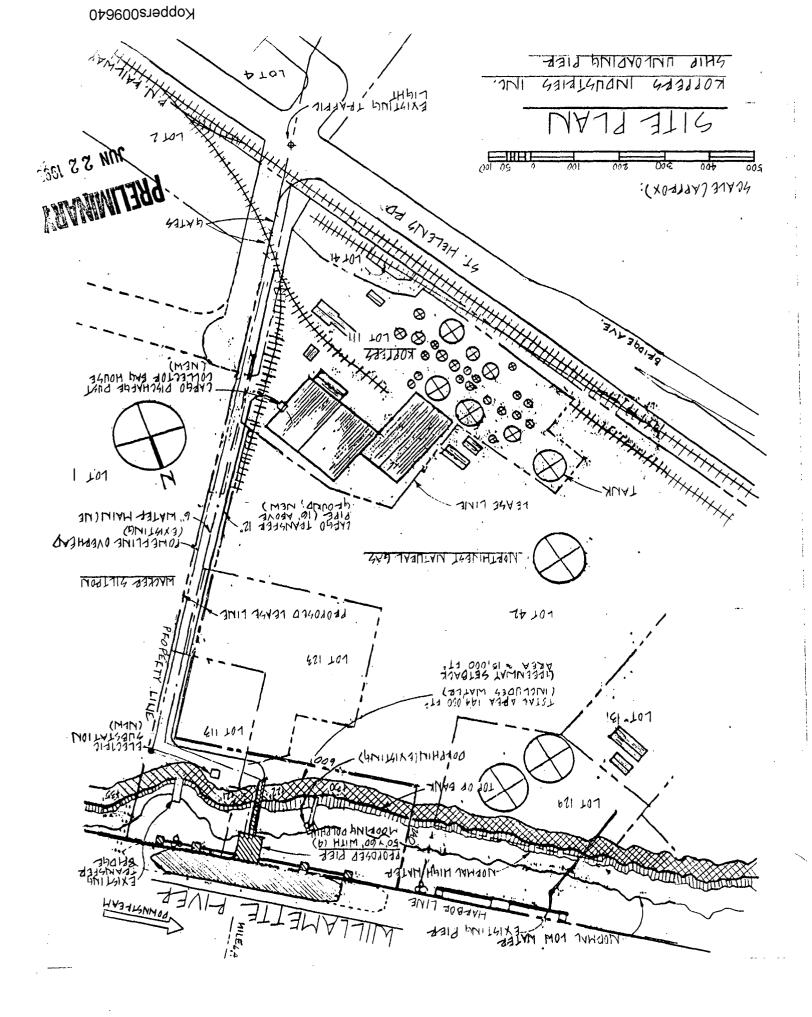


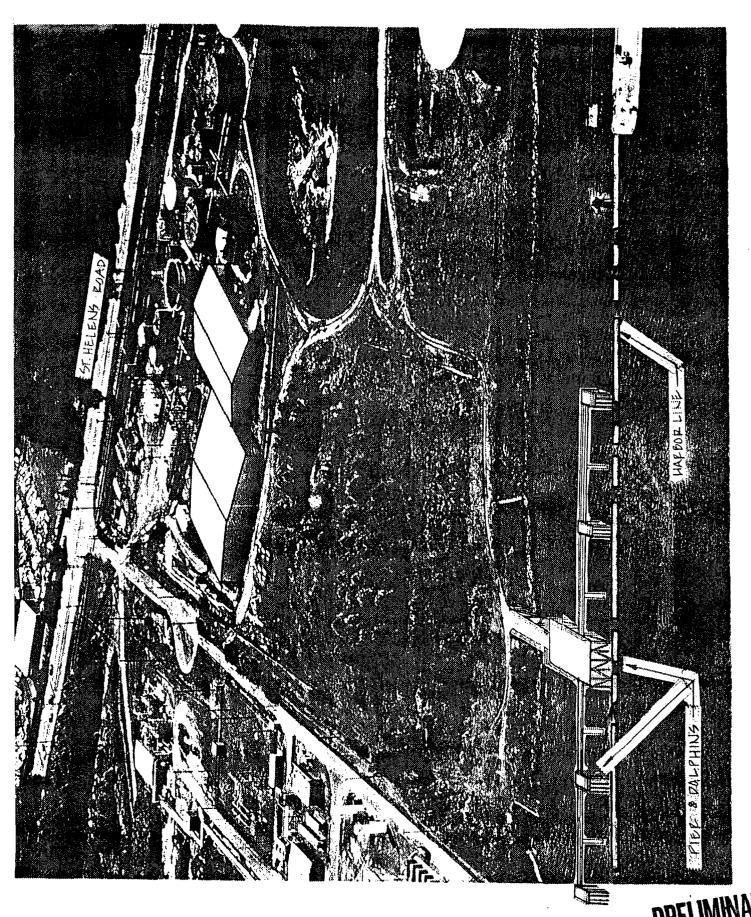
LAND USE REVIEW APPLICATION FORM

Part A
File #____

(Staff will assign #)

	_	Zoning Map	(T)		Comprehens] C P
.,	{	Amendment	Adjustr		Amendment		Greenway Review
	L	Conditional Use		•	Environmen	****	Other
2.	Loca		f the property subject				
	, ,	7540	NW St. Helens	Road = W1	llamette Riv	er Mile 6	. 4
	Cros	ss streets;NWB.r.	idge Avenue		***************************************		
3.	pi al co	tch. Pier w ong the rive nveying disch	vill be 40' x	60' with	4 mooring d	olphins to	iquid coal tar o make a berth pipe line for age on adjacent
4.	App	olicant(s):					
		ame	Address	Zip Code	Phone No.	Appli	cant's Interest in Property
	In	dustries 4	950 Koppers Bu 36 7th Avenue ittsburgh, PA		(503) 286-3	3681 L	EASEHOLDER
Ę	Λ	ner(s) of the Proper	A				
υ,	N N	ners) of the Proper Jame Jorthwest Jatural Gas C	Address One Pacific		Phone No. 220 NW 2nd A egon 97209		03) 220-2364
		Coppers Industries In	1950 Kopper c. Pittsburgh,	s Bldg; 4 Pennsylv	36 7th Avenu ania 15219	ie (5	03) 286-3681
6.		gal Description(s) of t, Block and Addition	f the Property: or Tax Lot, Township	and Range)			
	-Zumn	TL's 42, 111	. 113 & 123;	Sec 12 &	13, TIN, RIV	7	
7.	. Tax	K Account Number(s): 1/4 Section M	ap Number(s)	Base Zone(s)	Overlay Zor	ne(s) Plan District
	ı		222		IH	i	
			222 222		IH IH	1	
			222		IH	i	
			222		IH	i	Dank Flishon a.
8			ll adjacent Property	also owned by		d above:	PRE 1000 25 1993
	******		, 129, 130 &	-	2 & 13 T1N,	RIW	1 1
	-++	***************************************	***************************************			***************************************	
9			erty also owned by th	e Owners liste	d above:		1
	Ta:	x Account Number	(s): 1/4 Section M	ap Number(s)	Base Zone(s)	Overlay Zon	ne(s) Plan District
			232	l .	IH	is	
			222	1	IH	i	
			222	_	IH	į	
			222		IH	i	
			222	L	IH	i	





Supplemental Information for Greenway Review

Koppers Industries, Inc. Ship Unloading Pier

1. Fully describe your proposal.

A ship unloading pier will be built on the left (west) bank of the Willamette River at River Mile 6.4 in the City of Portland. The pier is to be used to moor ships discharging bulk coal tar pitch to the adjacent Koppers Industries, Inc. Distribution Facility at 7450 NW St. Helens Road.

Bulk coal tar pitch is a black pelletized material. It will be conveyed pneumatically through a pipe line from the unloading ship to a storage building at the Kopper's Distribution Facility. Coal tar pitch is used in the manufacture of electrodes for the smelting of aluminum and for many other uses.

At the present time, bulk coal tar pitch is shipped into the Distribution Facility by truck. Ships carrying bulk coal tar pitch are presently unloaded in Portland by Hall-Buck Marine Inc. at the Port of Portland's Terminal 4 near St. Johns. The bulk coal tar pitch is loaded into dump trucks at Terminal 4 and moved over the St. Johns Bridge to the Kopper's Distribution Facility on NW St. Helens Road. The new pier will eliminate this inefficient, potentially messy trucking operation and place the ship unloading and transportation to storage all at one location.

About 40,000 tons of bulk coal tar pitch arrive at the Kopper's Distribution Facility every year. This equates to about 3600 truck loads across the St. Johns Bridge. This movement will be completely eliminated when the new pier and ship unloading system are in operation. It is anticipated that 85,000 tons per year will ultimately be processed through the Distribution Facility.

The unloading pier project will consist of the following elements:

- a. Main pier structure about 60' long by 40' wide. The 40' width will be flush with the Corps of Engineer's Harbor Line. The pier will be a steel structure with steel piling supports. Wood fender pilings will be installed on the face of the pier.
- b. Bridge structure from the top of the bank out to the pier. The bridge structure will be about 120' long by 30' wide. The bridge will be steel similar to the pier.

Cont'd . . .



Supplemental Information for Greenway Review

Koppers Industries, Inc. Ship Unloading Pier

- 1. Full describe your proposal. (Continued)
- c. <u>Breasting dolphins</u> at 2 locations upstream of the pier and 2 locations downstream of the pier. The dolphins will be made with steel pilings and faced with wood fender pilings. The breasting dolphins will be in line with the Harbor Line and the face of the pier. Steel interconnecting walkways will be installed between the pier and the breasting dolphins.
- d. Mooring anchors on the top of the bank. the mooring anchors will be steel pilings below grade capped by a concrete pad on grade. A mooring bollard will be installed on top of the concrete pad.
- e. Improved road from the existing Distribution Facility on NW St. Helens Road to the pier down the east side of the property. The road improvement will be to gravel the surface for all weather In the future, the roadway may be hard surfaced.
- f. Overhead pipe line from the pier to an existing storage building on the Distribution Facility property off NW St. Helens Road. The pipe line is to convey bulk coal tar pitch cargo from an unloading ship to the Distribution Facility. The pipe line will be 12" pipe. It will be supported by steel and concrete towers to provide about 16' clearance under the pipe. The pipe line will be about 1,200 feet long.
- g. A dust collector bag house at the end of the 12" pipe at the existing storage facility. The dust collector will prevent discharge of dusty air from the conveying pipe line to the outside of the existing storage building.
- h. A watermain extension from the existing fire main at the east corner of the existing facility to the pier (about 950').
- i. A power line extension from the existing power line to the pier (about 150'). The existing power line is installed on poles running down the east side of the property to an existing barge loading/unloading bridge on top of the bank next to the new pier.
 - 1. The power line extension will connect to a new substation to be installed at the shore end of the bridge to the pier. The substation will be about 10' x 10.' A concrete pad for mounting equipment will be installed. A chain link fence and gate will be provided to limit access.
 - 2. Distribution cables from the substation to the pier will be installed for area lighting and power equipment on the Cont'd . PRELIMINARY pier.

Supplemental Information for Greenway Review

Koppers Industries, Inc. Ship Unloading Pier

- j. Portable ship unloading equipment will be used on the pier. A truck crane will be used to move equipment such as front end bucket loader from the pier to a ship's hold. A trailer mounted pneumatic/vacuum bulk materials unloading machine will move the bulk coal tar pitch from the ship hold to the shore side conveying pipe. The unloading machine will have a crane/boom for handling the unloading arm into the ship hold. The unloading machine will also have pneumatic tanks and compressors to handle air for conveying the bulk coal tar pitch in the pipe line to the existing storage building.
- 2. Describe the existing use or activity occurring at the site.

The waterfront site at the new pier location is essentially vacant land. No activity is presently on the site. There is an existing inactive barge loading/unloading bridge on the upstream end of the site. This existing barge bridge is inactive and in disrepair. The attached aerial photograph shows the site.

Inland from the river bank (1200 feet) and next to St. Helens Road, the property is a Distribution Terminal for coal tar pitch. Bulk coal tar pitch is received by truck and stored inside storage buildings. The bulk pitch is melted/liquified in a heated tank. The liquid coal tar pitch is shipped out to various customers by rail tank cars and highway tank trucks. Customers are mostly aluminum smelters. At the aluminum smelters, the liquid coal tar pitch is used for the making of large electrodes for the aluminum smeltering process.

The land between the waterfront and the Coal Tar Pitch Distribution Facility (about 1000) feet is presently vacant and unused. There are 3 or 4 small, shallow ponds and drainage ditches located in this area. Medium to small sized cottonwood trees surround the ponds. The area is generally covered with grasses, blackberry shrubs and Scotch broom. The south portion next to the Coal Tar Pitch Distribution Facility is cleared and covered with gravel for outdoor storage and staging of equipment. A rail spur extends into this staging area about 200 feet. Except for a 30' wide access strip along the east boundary, this land will be left undisturbed and is not included in the project.

3. Explain how the activities at the site use the river for transportation or for other purposes.

Most coal tar pitch is imported from overseas. This facility will receive incoming coal tar pitch from ships arriving on the Willamette River.

Cont'd . . .





Supplemental Information for Greenway Review

Koppers Industries, Inc. Ship Unloading Pier

4. Explain the necessity of the riverfront location.

Ships can only transit the river waterway. The only place a ship can be unloaded is at a pier on the riverfront.

5. Describe the condition of the bank. Does it consist of natural bank, rip-rap, dock, loading berth, or pier, for example?

The bank is covered with riprap. The top of the bank is covered with vegetation. Most of the vegetation is "naturalized" plants such as various low shrubs and grasses. Some plants observed were: blackberries, vetch, Scotch broom, plantains, milkweed, clovers, Canadian thistle, common white daises, cow pea, morning glory, and a number of grass varieties. The vegetation extends from the roadway across the top of the bank down to the "high" water line. There are no existing trees on the bank. See the attached snapshots for views of the river bank.

- 6. Are there structures or activities proposed in the greenway setback area? If so what are they?
 - a.) A roadway to the existing inactive barge unloading/loading bridge is in the greenway setback area.
 - b.) A small pathway (3' wide) to an existing mooring dolphin crosses the greenway setback area near the middle of the site.
 - c.) A new roadway to the new pier will cross the greenway setback area.
 - d.) New mooring anchors (one upstream and one downstream) will be installed on the top of the bank in the greenway setback area. A small (3' wide) pathway will be provided from the roadway to the mooring anchors.
 - e.) A small (3' wide) pathway will be provided along the top of the bank from the end of the new pier bridge to the mooring anchors for personnel handling mooring lines from the ship.
- 7. Is a recreational trail identified on the site? If so, how will you be meeting the recreation trail requirements?

No.

Cont'd . . .







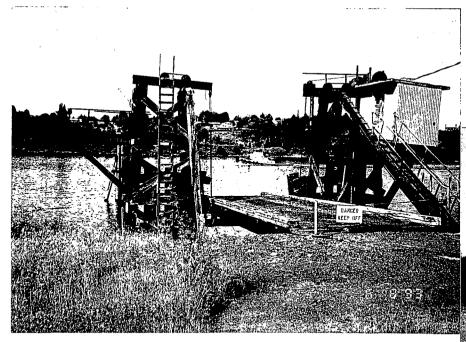
LOOKING DOWNSTREAM

LOOKING DOWNSTREAM

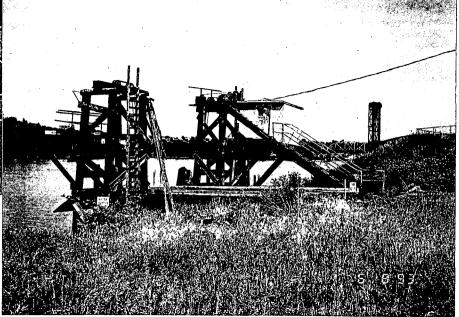


EXISTING DOLPHIN

LOOKING DOWNSTREAM

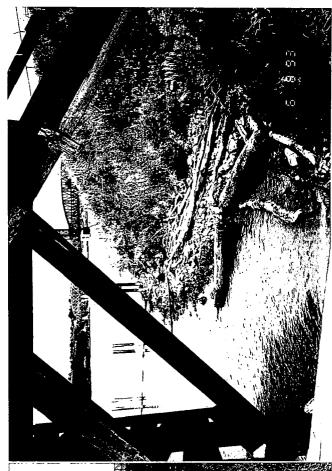


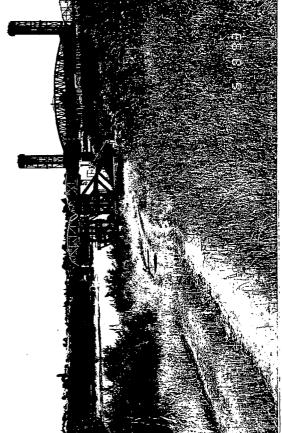
EXISTING BARGE LOADING/UNLOADING BRIDGE

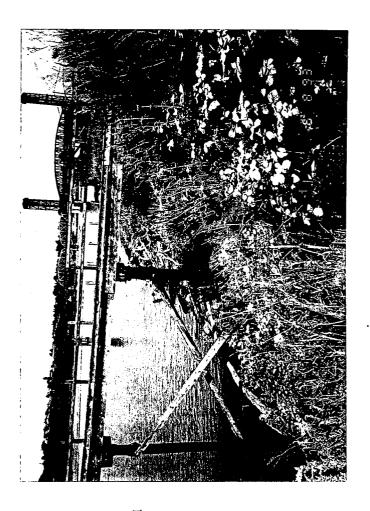


LOOKING UPSTREAM

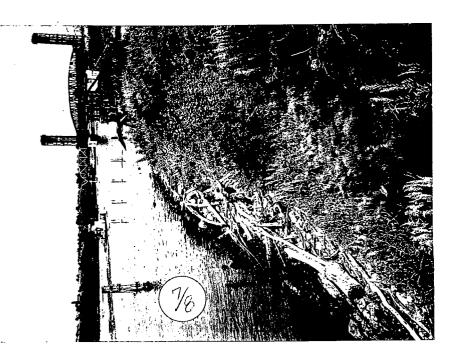








LOOKING UPSTREAM



Koppers009648

<u>Supplemental Information for</u> Koppers Industries, Inc. Greenway Review

Ship Unloading Pier

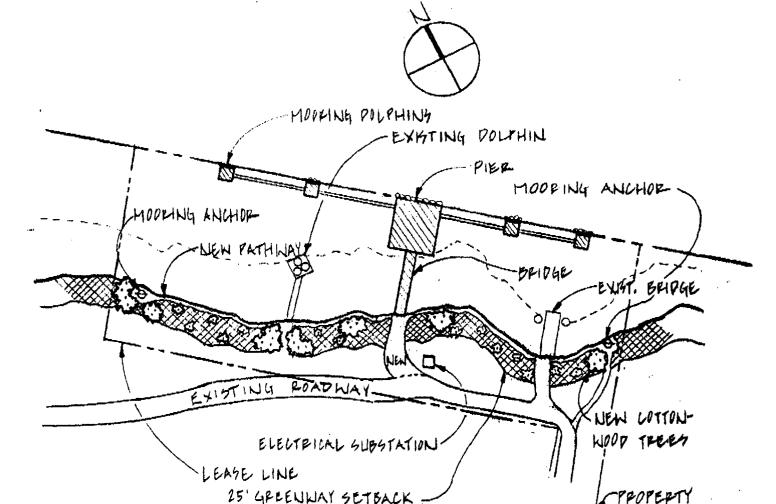
- 8. Is a public viewpoint or public corridor identified on your site? If so, how much and where would this occur on the site? No.
- 9. Does the proposal require any fills or excavation? If so, how much and where would this occur on the site?

Yes.

- a.) The river bottom in way of the ship berth along the face of the pier will require dredging to obtain a depth sufficient for mooring a ship safely. Approximately 1000 cubic yards will be removed.
- Additional riprap will be placed on the bank under the bridge to the pier to prevent bank erosion. Approximately 30 cubic yards of riprap rock will be applied.







- Retain existing vegetation except in way of new road access to pier and pathways to mooring anchors.
- 2. Restore existing vegetation destroyed during construction.
- 3. Plant cottonwood trees in way of greenway set back. Trees to be grouped/staggered and spaced so that there is one tree for every 20' of bank. Trees to be minimum of 8' high and 1½' in diameter.

LANDSCAPING PLAN
KOPPERS INDUSTRIES INC.

4HIP UNLOADING PIER

900 200 100 0 50 10. SCALE (APPROX.)

LINE

Statements Showing How Proposal Meets Greenway Development Standards/Approval Criteria Koppers Industries, Inc. Ship Unloading Pier

GREENWAY SETBACK

A. General.

The new pier, mooring dolphins, mooring anchors, and pathways are required for berthing a ship which will be unloaded at the site. These new facilities serve a river dependent use. These new facilities do not violate any "use-related restrictions" such as River Recreational Zone or River Natural Zones.

B. The setback area.

The Setback area is shown on the attached Site Plan and Landscaping Plan.

C. Development landward of the greenway setback.

All development landward of the Greenway Setback is to serve the pier and the unloading of ships alongside the pier. The improved roadway and incidental parking is for access of personnel and equipment working on the ship or pier. The extension of electric power lines and water mains and the installation of an electrical substation is to service the pier. The overhead pipe line is to convey the ship's cargo to shoreside storage. All of this development is river dependent and industrial usage on the site which is presently an industrial zone.

D. Development within the greenway setback.

The only development within the Greenway Setback will be installation of ship mooring anchors, access pathways to the ship mooring anchors, and an access roadway to the new pier. This development is river dependent.

E. Development riverward of the greenway setback.

- 1. Biological Productivity
 - a.) The new pier is supported by piling. The piling for the pier will cause the minimum interference with biological activity in the river.
 - b.) Dredging along the face of the pier will be required. A "strip" about 15 feet wide by 400 feet long will be dredged. This strip is at the edge of the deep channel, not in the "beach" area. When the dredging is completed, the dredged area will not be an obstruction to the passage of fish.



Cont'd . . .

Statements Showing How Proposal Meets Greenway Development Standards/Approval Criteria Koppers Industries, Inc. Ship Unloading Pier

GREENWAY SETBACK (Continued)

- E. Development riverward of the greenway setback. (Continued)
- 1. Biological Productivity (Continued)

During construction dredging and pile driving will be done only during "permitted" times to prevent interference with fish migration.

The shallow beach areas are the most productive biological zones. The design of the pier incorporates a relatively narrow bridge across the shallow waters to the main pier structure. This design results in the minimum impact on the biological activity in the shallow water area.

The existence of the pier and dolphin structures will enhance some biological activity in the water. Everyone familiar with waterfront facilities has observed fish hovering around pilings and similar structures in the water. These structures apparently provide shelter for some species.

The new pier meets the criterion of "no significant loss of biological productivity."

2. Protection from wave and wake damage.

The existing bank is protected with riprap. Additional riprap will be placed under the pier bridge on the bank to further protect the bank. The pier project meets the criterion of "protecting the riverbank from wave or wake damage."

3. The new pier is within the limits of the established "Harbor Line" which is the Federally established limit of the navigation channel. The pier does not "stick out" beyond the main channel. the new pier is essentially in-line with the Harbor Line on the adjacent properties. The new pier is also in-line with the existing downstream pier and the adjacent property.

The new pier meets the criteria:

- a.) Not to restrict boat access to adjacent properties.
- b.) Not to interfere with commercial navigation.
- c.) Not to interfere with fishing use.

d.) Not to significantly add to recreational boating congestion.

PRELIMINATIV

Cont'd . . .

Statements Showing How Proposal
Meets Greenway Development
Standards/Approval Criteria

Koppers Industries, Inc. Ship Unloading Pier

GREENWAY SETBACK (Continued)

- E. Development riverward of the greenway setback. (Continued)
- 4. The beach at the site is not publicly accessible from the land side. The pier structure is located so that small boats can go around the pier and dolphin structures to land on the beach, the same as at present. The new pier structure meets the criterion "not to significantly interfere with beaches that are open to the public."

NON-CONFORMING USES AND DEVELOPMENT

The proposed pier and associated works are a river dependent, river related, conforming use. No non-conforming use is planned.

LANDSCAPING

The landscaping plan is to basically retain the existing vegetation and to add trees as required by the Landscaping Standards. The cottonwood trees to be added comply with the native plant requirement.

PUBLIC RECREATION TRAILS

There are no Public Viewpoints shown on the nearby Greenway Trail.

VIEW CORRIDORS

There are no view corridors designated for this section of the river.







APPLICATION PACKET: Part B Summary of Type II and Type III Procedures

Overview

Type II and Type III are names of the two different methods of processing land use applications. Type II is a shorter process, while Type III is longer and more involved. Your application will go through one of these procedures depending on the kind of request you are making. The following description is only a summary of the main steps in the two procedures. The specific requirements are stated in Chapter 33.730 Quasi-Judicial Procedures in the zoning code.

Type II Procedure

In the Type II process the staff makes the decision on your application. The staff's decision may be appealed. If appealed, a review body (such as the Hearings Officer, the Design Commission, the Landmarks Commission, or the Adjustment Committee) holds a public hearing and makes a final decision.

In a Type II procedure we will make a decision on your request within 14 days after we have made sure your application is complete. The decision will be based on whether you have shown that your application meets the approval criteria for the kind of request you are making. More information about the approval criteria is in Part C of this packet. During the 14 days, we will also send out a notice of your request to the property owners within 150 feet of your site and to the neighborhood association and any business associations in your area. These people can respond to our notice and let us know what they think about your request. After we make our decision on your application, we will notify you and these same people of our decision. There is then a 14-day appeal period. Anyone can appeal the decision during this time, including you. There is an appeal fee however, and in some cases the neighborhood association or business association can appeal for free.

If your case is appealed, we will schedule a public hearing and notify you and the same group of people who were originally notified of your request. The hearing will be held at least 21 days after we send the notice. We will prepare a staff report and recommendation on your request. It will be available 7 days before the hearing. At the hearing everyone will be allowed to speak, including you and us (the staff). Remember, the issue to be discussed is whether or not your application meets the approval criteria for the kind of request you are making, not anything else. The review body will be either the Hearings Officer, or a committee. A committee will discuss the testimony and vote on a decision at the hearing. The Hearings Officer may make a decision at the hearing or may wait and make a decision later. Either way, the Hearings Officer or the committee will make a written decision and send notice of the decision within 17 days after the hearing. Notice of the decision will be mailed to you and to the anyone who spoke at the hearing or wrote letters. The decision is final and cannot be appealed again at the city level.

Type III Procedure.

In the Type III procedure a public hearing is held and a review body (such as the Hearings Officer, the Design Commission, or the Landmarks Commission) makes a decision on your request. The decision may be appealed to the State Land Use Board of Appeals.

In a Type III procedure we will schedule a public hearing to take place within 51 days after we have made sure your application is complete. During this time we will review your application and prepare a report and recommendation on it. The recommendation will be based on whether you have shown that your application meets the approval criteria for the kind of request you are making. More information about the approval criteria is in Part C of this packet.

At least 30 days before the hearing you will be required to post notice of your request on your site. More information about the posting requirements will be given to you when you turn in your application. At least 20 days before the hearing we will send out a notice of your request to the property owners within 400 feet of your site and to the neighborhood association and any business associations in your area. These people can then call us with questions, write letters, or come to the hearing.

At the hearing every one will be allowed to speak, including you and us (the staff). Remember, the issue to be discussed is whether or not your application meets the approval criteria for the kind of request you are making, not anything else. The review body will be either the Hearings Officer, or a committee. A committee will discuss the testimony and vote on a decision at the hearing. The Hearings Officer may make a decision at the hearing or may wait and make a decision later. Either way, the Hearings Officer or the committee will make a written decision and send notice of the decision within 17 days after the hearing. Notice of the decision will be mailed to you and to the anyone who spoke at the hearing or wrote letters. There is then a 14 day appeal period. Anyone spoke at the hearing or wrote letters can appeal the decision during this time, including you. There is an appeal fee however, and in some cases the neighborhood association or business association can appeal for free.

If your case is appealed, we will schedule a public hearing and notify the same group of people who were notified of the decision. The hearing will be held at least 21 days after we send the notice. The City Council will hold the hearing and vote on a decision. Sometimes the Council takes a tentative vote at the hearing and makes a final vote the next week if more information (called findings) needs to be prepared for them.

Pre-application Conference

If your request requires a Type III procedure, you must go through a pre-application conference prior to making your application. See the pre-application conference request form for further information.

INTEROFFICE CORRESPONDENCE

To:

W. A. Meisinger

From:

Sayeed Sultan

Location:

K - 2050

Location:

K-2050

Subject:

PROJECT STUDY FOR A SHIP UNLOADING DOCK, AND BRIDGE AT THE WILLEMETTEE RIVER, PORTLAND, INCLUDING A MOBILE SHIP UNLOADER

Date:

October 14, 1992

CEVED

OCT 16 1992

KOPPERS INDS., INC. PORTLAND, OR

The attached study outlines a detail analysis of cost per ton of unloading pencil pitch at a new dock facility furnished at the Willemettee river, which flows not too far away behind the plant fence line.

This in-depth study focuses on the following three major items which are as follows:

- (1) Outright purchase of a 130 metric ton capacity Fuller-Kovako ship unloader.
- (2) Lease/purchase arrangement with Fuller-Kovako for a 130 metric ton capacity unloader.
- (3) Present unloading practice at the Port of Portland.

It is a known fact that pencil pitch when unloaded by a clamshell bucket is very prone to dust dispersion as the bucket emerges from the hold of the ship and then swings towards the storage silo to discharge the material into it.

Environmentally it has become a very unsuitable method for withdrawing the pencil pitch from the vessels. (See attached letter).

Northwest Environmental Advocates are doing their best to advertise Koppers Indus, Inc. as one of the toxic polluter of the Columbia river system in the Greater Portland area. This kind of publicity is very detrimental to our business.

A pneumatic unloading method, combined with a private dock facility, appears to be the best approach for handling the pencil pitch, which will continue to arrive in 5,000 Dwt. or 10,000 Dwt. vessels from China, Japan or Korea.

This study includes a very inexpensive design of a dock having a bridge, connected to the main land. The pier is designed to support a mobile ship unloader and a crane. A cost estimate for its design and installation is included herewith.

Discussions with Fuller-Kovako, regarding a 130 metric ton mobile ship unloader have been more than satisfactory. Fuller-Kovako are very receptive to Koppers offer for a lease/purchase arrangement for the ship unloader, with a stipulated working time of 24 months. (letter attached). This alternative is very attractive, as it does not let us burdened with the outright purchase of such an expensive unit.

It will be very prudent on our part to get started with this project of new dock facility as soon as possible, so that by mid 1993 we are free from the unloading problem at the Port of Portland, longshoremen and the ever present trucking problem of pencil pitch through the city streets, before it reaches the plant site.

If there are any questions, please give me a call.

Sayeed Sultan

SS:kas

Attachment

cc: L. F. Flaherty

W. W. Turner

K. J. Fitzgerald

J. L. Schaum

A. Kamerer

J. Oxford

W. F. Plovic

J. Calfe



FULLER-KOVAKO CORPORATION 2158 Avenue C, LVIP Bethlehem, PA 18017-2188

A member of the F.L.Smidth-Fuller Engineering Group

TO:

Mr. Sayeed Sultan

COMPANY:

Koppers Industries, Inc.

FAX NO:

412-227-2841

FROM:

FS Wuertele

TELE:

(215) 264-6801

FAX: HOME: (215) 264-6735 (215) 865-1850

DATE:

1 October 1992

SUBJECT:

Pneumatic Ship Unloader for Coal Tar Pitch

Dear Mr. Sultan,

In response to your request for financing alternatives for Fuller Kovako ship unloading equipment, we are able to offer the following:

Lease/Purchase Option -

Assuming an equipment price of \$875,000 and a 10% interest rate, a twelve month lease/purchase will require monthly payments of \$70,000 with a 10% buy out payment at the end. A 24 month lease/purchase will require monthly payments of \$37,000 with a 10% buy out payment at the end of the program.

Contract Rental (with or without crew) -

Through one of our associated companies, a rental or unloading tonnage contract could be structured. The minimum contract length is flexible but usually at least one year duration. This option is available for our standard road mobile units, such as the RM-130-D.

I hope this information will help with your evaluation. In the meantime, if you have further questions, please contact Jim Borneman or myself. We appreciate your consideration of our equipment and look forward to working with you on this project.

Sincerely,

FULLER-KOVAKO CORPORATION

Fred S. Wuertele

Market Manager

Pneumatic Conveying

CC:

Jim Borneman

Ad Ligthart

Bill Poulsen

O Pages Follow

fsuf2028.731



June 24, 1992

URGENT

Attn: Mr. John Oxford, Plant Manager Koppers Co. 285-2831

Dear Mr. Oxford,

An organization called Northwest Environmental Advocates has recently published and are distributing a map entitled "Portland/Vancouver TOXIC WATERS". This map identifies 152 companies/sites which it implies are toxic polluters of the Willamette and Columbia river systems in the Greater Portland area.

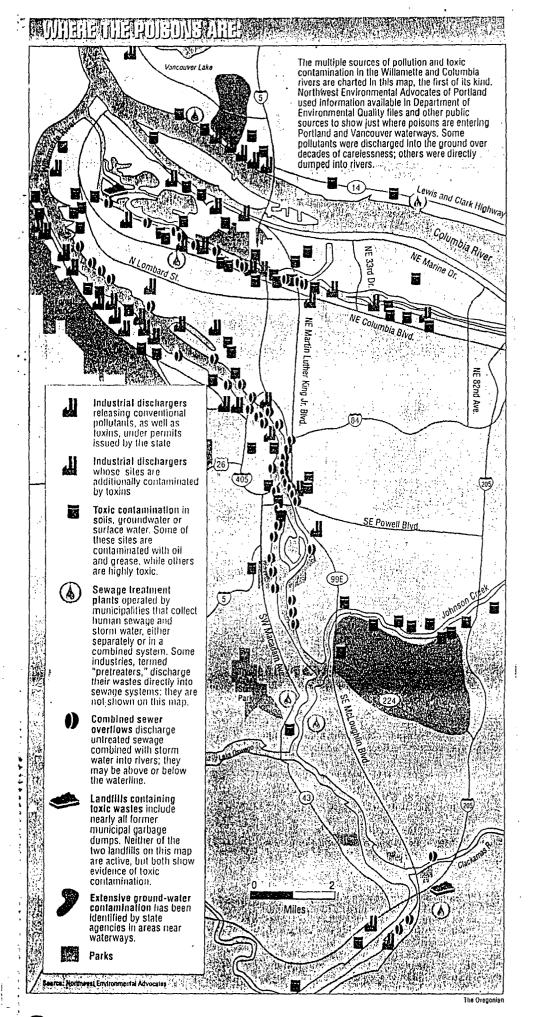
We are one of the companies on the list. We consider the information and general presentation of the map to be very misleading and damaging to our company. We believe that Northwest Environmental Advocates has defamed our company and we are considering what legal or other actions we will take.

Your company also appears on the list. If you are interested in some joint action, we encourage your immediate response.

You may contact Mr. Gregory Malarkey at (503) 283-1191 (Fax 503-289-7644) during normal business hours. We urge your prompt response as we will hopefully be moving forward in the next 24 hours to limit the damages done to our company.

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Group spots toxic waters

map Tuesday of the worst pollution spots in rivers in the Portland metropolitan area

By PAUL KOBERSTEIN

l The Oregonian staff

For most of this century, the Lower Willamette River from Oregon City through Portland was a sewer of industrial poisons and municipal waste.

The state posted it unsafe for drinking and swimming. And as unhealthy as the Willamette's

water was for humans, it was sometimes fatal for

fish.

An intensive cleanup in the 1960s and 1970s brought down the warning signs. Water-skiers and swimmers came out to play, and healthy salmon runs returned. State officials ballyhooed the cleanup as a momentous environmental achievement.

On Tuesday, a local environmental group gave the public reason to reconsider whether the Wil-

Please turn to TOXIC, Page C7

Toxic: Map claims) discriminates

■Continued from Page C1

lamette truly has been cleaned up.

Northwest Environmental Advo-cates of Portland published "Toxic Waters," a poster-size map and encyclopedia of the worst sources of pollution in waters in and around Portland and Vancouver, Wash.

The publication is the first comprehensive map of toxic spots in local rivers. At a glance, any swimmer, boater or angler can locate where the poisons are in the Willamette, Columbia and Tualatin rivers and in the Columbia Slough and Johnson Creek.

Researchers dredged the information from files at the DEQ, the U.S. Environmental Protection Agency the city of Portland and several other public agencies.

Dozens of polluters dump hazardous material into the Willamette and other local rivers every day. Most of it arrives legally, under permits issued to polluters by the Oregon Department of Environmental Quality. Sometimes, those polluters violate their permits by discharging too much pollution.

This arrives in the river on top of vast quantities of poisons dumped over the years. The map charts the location of these known toxic sites and, on the back, provides a limited history of discharges, regulatory enforcement and cleanup.

The \$3 map, produced with grants from KGW(8) and Soloflex Inc., draws attention to 152 pollution sources and 55 places where raw sewage enters the river with storm

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Northwest Environmental Advocates was formed in 1969 as the Coalition for Safe Power. In its early years, it fought the Trojan Nuclear Plant and the Hanford Nuclear Reservation. It changed its name in 1989 to reflect its emphasis on education, research and litigation on

a variety of issues.

Executive director Nina Bell hopes the map will dispel the myththat the Willamette, or any other local body of water, is entirely clean.

"It's amazing to us how many people think the Willamette River has been cleaned up," she said. "We have a long way to go to show that the Willamette is still a mess."

But the map also provides the group a podium for criticizing the state's lead environmental agency, the DEQ.

The DEQ has taken the approach of being as hands-off as it possibly can," Bell said. "As a result, we don't know much about the Willamette River and the different sources who dump into it."

DEQ officials challenge the criticism. The agency is conducting major studies of pollution in the Willamette and Columbia but is restricted by state spending limitations, they say.

Removal of toxic wastes is expensive, says agency spokeswoman Carolyn Young, and the price is far

beyond the DEQ's budget. In fact cleanups are usually the responsibility of land ity of landowners.

Young said that while the map is not perfect, it is "a good informa-tional tool. I'm sure they got the information right out of our files. It is unique.

But she did find fault on a point of fairness.

The map's harshest display is reserved for the Columbia Slough, a stagnant channel that runs along the Columbia's south shore. It says 215 toxic industries, 21 industries and innumerable stormdrains fill the slough with dioxin, polychlori-inated byphenyls (PCBs), heavy metals and posticides

als and pesticides.

That much, Young says, is accurate. But Toxic Waters adds an

editorial comment charging the DEQ and the city of Portland with racism.

"The slough receives little government attention because it is used for fishing and swimming mostly by people of color," the map

Young said cleaning up the slough is expensive and not a high DEQ priority. Two programs are in place to improve its water although an overall cleanup is ruled out because of the cost.

"If the slough were in any other location in Oregon it would receive! the same amount of attention,"

DEQ spokeswoman said.
Bell was 'doubtful. "I don't think we would tolerate an open sewer in Lake Oswego," she said. "People and kids in the housing projects swim. there, and a tremendous amount of people fish there. They might as well call it the Columbia Sewer and be done with it."

While the map notes sources of ! pollution, it does not tell the reader where the pollution has gone. Swimmers can see how far away they are! from pollution sources but not how much pollution may be in the water bathing their bodies.

Toxic Waters suggests the DEQ has been negligent in recent years for withholding data that might have assisted swimmers and fishers. It cites the highly contaminated McCormick & Baxter Co. wood treatment plant north of Swan Island as an example.

The map says the DEQ knew in 1987 that crayfish near the site were contaminated with dioxin but did; not post the site as unsafe for swimming until 1991, after two boys wading in contaminated sediments suffered chemical burns to their legs.

"They sit on everything over there," Bell said. "It's put in a box someplace.

But Young said the DEQ did not act until the agency understood the source of the contamination.

"When we first saw that data in 1987, it didn't mean a whole lot," Young said. The site has since been abandoned, and the DEQ has ordered a cleanup.

KOPPERS PORTLAND FACILITY

PROJECT STUDY

<u>FOR</u>

A SHIP UNLOADING DOCK AND BRIDGE

AT WILLAMETTE RIVER

INCLUDING

A MOBILE SHIP UNLOADER

<u>FOR</u>

PNEUMATIC HANDLING OF PENCIL PITCH

KOPPERS PORTLAND FACILITY

FULLER KOVAKO'S MOBIL SHIP UNLOADER

INTRODUCTION

Fuller Kovako B.V. is a highly specialized Company in respect to custom built pneumatic handling systems. Its product range consists of pneumatic barge & ship unloading equipment, special purpose pneumatic equipment, a range of terminal handling equipment and general engineering.

The Company is mainly involved in the market for cement transportation and handling, but it has designed and installed pneumatic equipment to handle, alumina, flyash, gypsum powder, coal powder, etc..

Recently the Company has started to design, fabricate and market equipment for coarse products such as pebble lime, grain and other granular materials.

Fuller Kovako's pneumatic system is capable to vacuum over large distances. Suction lengths of 164 ft. (50 meters) and blowing length of 2130 ft. (650 meters) have been achieved.

The road mobile unloaders have been designed to handle 50 M.T.P.H. (55 S.T.P.H.) to 150 M.T.P.H.(165 S.T.P.H.). Since the unloader is only 65% mechanically efficient, therefore, the net withdrawal rate of these unloaders is as follows.

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65% x 50 M.T.P.H. x 24 Hrs/Day = 780 M.T.P.D.
65% x 130 M.T.P.H. x 24 Hrs/Day = 2028 M.T.P.D.
65% x 150 M.T.P.H. x 24 Hrs/Day = 2340 M.T.P.D.
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Discussions with Fuller Kovako's representative have led to the fact that they do not know what pencil pitch is. Neither they have seen the material before nor they have tried to pneumatically convey the same.

DISCUSSIONS

Koppers briefed Fuller Kovako regarding pencil pitch, as to its structure, friability, temperature at which it congeals, melting point, dust characteristic, effect of direct sun light, etc..

It was also pointed out that unlike conveying cement or pebble lime, the basic vacuum system and the blowing system must have:

(1) Larger diameter pipe.

(2) Less than average conveying speed.

- (3) Booster stations alongside the pipe line to ensure that the temperature of the conveying air does not rise above 50 degrees F.
- (4) The use of a chiller to ensure that a low temp. conveying air is available.

Fuller Kovako are very anxious to work with Koppers to design and supply a two vessel all trailer mounted mobile shipunloader to handle the pencil pitch. Their main requirement is to supply them with one or two car load of material, so they can test it in their lab and develop the required data for pneumatic handling.

Fuller Kovako strongly feel that their machine is most ideal because:

- It is a small and relatively low investment ship unloader.
- 2. The unloader is capable of doing the whole job. It not only withdraws the material from the ships, but it also conveys it to the storage facility. The only thing it requires is a simple pipeline to do the job.
- 3. The unloader is fully road mobile and completely self contained. The unit can be moved from one location to another without disassembling the large components. It is ready for start-up almost instantly after arriving at the dock.
- 4. Environmentally it is absolutely the most accepted system throughout the United States.
- 5. It is equipped with a large flexible arm which provides an excellent reach all through the hold of the ship to be unloaded. This flexibility allows maximum clean up at a very high efficiency.
- 6. It is estimated that, for 5000 DWT ships and a conveying distance of 800 ft., the road mobile unloader will consume about 2 KWH or 0.7 liter diesel fuel per ton conveyed.

- 7. Since there are no moving parts except two butterfly valves (Sketch Attached) therefore the wear is minimal.
- 8. Since early 1986 till 1991, Kovako has sold over 60 mobile ship unloaders throughout the world. These units have ranged from 100 M.T.P.H. to 800 M.T.P.H. in their unloading capacity.

CONCLUSION

Koppers have approached Fuller Kovako to provide three cost estimates for the supply, erection and start-up of a mobile ship unloader capable of unloading 150 M.T.P.H. of pencil pitch from 5,000 to 10,000 DWT vessels as follows.

- (1) An out-right-purchase price for the unit.
- (2) A rental arrangement spanning over a period of one year, where the rental cost is established on monthly basis.
- (3) A lease arrangement, allowing the monthly lease payment to be deferred toward the purchase of the unit, after it has been in service for 12 months.

A detail reply from Fuller Kovako is expected very soon.

SHIP UNLOADING DOCK AND BRIDGE

AT THE WILLAMETTE RIVER

SHIP PIER

The dock is designed to be 61'-0" wide x 80 ft. long and it will be located at a distance of 70 ft. from the shore line into the Willamette River. The dock will be supported on vertical piles driven to the "Refusal" and will be cross braced by structural batters.

The dock surface will be a welded plate structure formed by utilizing the bed of the flat rail cars. These surfaces will be properly strengthened by utilizing new structural shapes to support the longitudinal and transverse load imposed by the ship unloader or the crane. The top of the deck will be maintained at an elevation of 30 ft. where the low water level datum is zero and the high water (flood) level is 15 ft.

All four sides of the top edge surface of the dock will be protected by 14" x 14" timber bull rail.

The entire North side of the dock surface facing the vessels will be covered with timber fenders, spaced at suitable intervals, to absorb the impact of the vessel.

The dock will be designed to support one (1) Fuller Kovako Model 130-D-4 mobil ship unloader complete with tractor. Additionally, enough room is provided to rest and support a truck crane P&H Model 9125 unit weighing 39,000 lb..

BRIDGE

The bridge will be 30 ft. wide x 70 ft. long and will span over the river, having one end resting on a 15 ft. wide x 35 ft. long concrete pad at the top of the bank and the other end connecting to the dock platform.

The bridge will be supported on piles & caps, practically the same way as the dock, and will have the similar load bearing characteristics.

MOORING AND BREASTING DOLPHINS

Four (4) Mooring and Breasting dolphins will be provided to facilitate the mooring of 50,000 DWT to 10,000 DWT vessels. Each dolphin will consist of HP 12 x 53 vertical piles driven down to the rock surface. These piles will be properly cross braced and furnished with pole type fender piles attached to cylindrical rubber fenders, to absorb the impact of a vessel.

Each dolphin platform will have a facing of 12 in. dia XXS chafing bar and a 3 in. dia. pipe handrail on the backside. The platform will be furnished with a 36 in. dia. XXS 36" high pipe to act as a bollard.

The dolphins will be spaced at appropriate distance to facilitate a 10,000 DWT vessel to be tied-in without any difficulty.

MOORING ANCHORS

Two (2) Mooring anchors will be designed and installed. Each anchor will be located on the shore line near the river bank and will consist of six HP 12×53 piling. The piles will be capped by a massive concrete pad to form the head of the anchor.

A 36" dia. XXS pipe will be installed to act as a bollard.

WALKWAY

A 3 Ft. wide galvanized steel walkway will be provided to connect all dolphins. The structural steel fabricated walkway will be rigidly strengthened to absorb the impact of the vessels. The walkway will be covered with XS galvanized grating.

GANGWAY

The dock will be equipped with a 4 ft. wide x 20 ft. long, structural steel fabricated gangway. The unit will be fitted with two heavy duty cylinders to be actuated by a hydraulic motor. The start-raise-lower-stop push buttons will be installed near the motor.

WINCH FOR LINE HANDLING

Two (2) winches, one on each side of the bridge will be installed near the mooring anchor. Each winch will be equipped with an electric motor & reducer.

LIGHTING & POWER

Every attempt will be made to have the local utility company install two (2) 125 KVA transformers, near the shore line.

Lighting system will be designed and installed to provide, sufficient overhead lights to allow the workers to unload the vessels after dark.

A 10 ft. square x 8 ft. high concrete block building will be provided near the transformers bank on the shore line to house the circuit breakers and the electric meters.

KOPPERS PORTLAND FACILITY SHIP UNLOADING DOCK AT WILLAMETTE RIVE	A-1 9-22-92 SAMEED
SUBJECT	\$ Cost
1. ADMINISTRATIVE & ENGINEERING	
1.1 PERMIT FEES	10,000
1.2 ENGINEERING # PERMIT APPLICATION 5,000 DESIGN & DRAWING 55,000 DRAWING APPROVAL 4,500 CONSTRUCTION SUPERV. 15,000 SURVEYS, PHOTOS, 8,000	
PGHPROJECT MGT. 8,500 SUBTOTAL = 96,000	96,000
2. SHIP PIER & MOORING 2.1 PIER AND BRIDGE BOT PILINGS & CAPS LECK, RAILCARD-FILERPLY 200,000 WOOD FENDERING (22 PILES) 50,000 WOOD BULL RAIL CONCRETE PADA RIP-RAP 25,000 SUB TOTAL = 713,000 = MOORING & BREASTING DOLPHINS 4 & 80,000 320,000 MOORING ANCHORS 2 & 30,000 60,000 SHIP GANGWAY 25,000	713,000

CAPSTANS - 2 UNITS

SUB TOTAL

445,000

40,000

TOTAL OF THIS PAGE :

	KOPPERS PORTLAND FACILITY	A-2 9-28-92
	SHIP UNLOADING DOCK AT WILLAMETTE RIVER	
	B/F FROM PREVIOUS PAGE	1,264,000
2000	2.3 WALKWAYS ETC. WALKWAYS BETWEEN DOLPHINS = \$	# CosT
\$ 120	4 e 10,000 40,000 LIGHTING & POWER ON DOCK = 80,000 SUB TOTAL = 120,000	120,000
21	3. SHORE SIDE STORAGE & HANDLING.	,
6000	3.1 PIPELINE FOR PNEUMATIC CONVEYING? ABOVE GROUND - 12 DIA X 1150 # 160,000	-
1-66	DUST COLLECTOR WITH DRIVE?	
000	SUPPORT STRUCTURE & STACK \$ 70,000	
27	POWER AND LIGHTING FROM } 25,000	
25,000	STRUCTURAL REINFO: OF EXISTING SHED WALKWAYS ASPHALT ROAD; COVERS SHEDS OVER 38,000 ELECTRICAL & MECH. ITEMS \$	
900	SUBTOTAL = 293,000-	293,000
38, 8, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,	SUB TOTAL =	1677,000
	TOTAL	1,844,700
	TOTAL CONSTRUCTION COST = 1,850,000	
·		

IN PLANT FACILITY

NEW PITCH STORAGE SHED

The new shed located north east of the plant and adjacent to the existing storage shed will be $150~\rm ft$. wide x $200~\rm ft$. long. This structural steel frame building covered with roofing and siding is designed to be $22~\rm ft.-10"$ high from the finished floor level to the underside of the purlin at the eaves.

Inside of the building is provided with a 1/4" thick x 7 ft. high steel plate wall on all four sides. The plate will be attached to the girts and held in place by high strength bolts.

The building will be provided with a net work of discharge pipes to ensure that the maximum area of the floor is utilized to store pitch to a reasonably safe height (See Sketch).

EXISTING PITCH STORAGE SHED

The existing storage shed is 128 ft. wide x 182 ft. long. The roof structure of this building will be reinforced to support the incoming conveying line and the distribution lines.

The torn and misplaced section of roofing and siding will be removed and replaced by new sections.

PIPE LINE

The pneumatic conveying line, emerging from the transfer vessel of the Fuller Kovako unit will be elevated and supported alongside the handrail of the bridge until it reaches the shore line. At this point, the pipe will be elevated to maintain a 16 ft. high elevation while it will gradually rise, gaining height, until it reaches near the new pitch storage shed. From the shore line to the storage shed which covers an approximate distance of 800 ft., the pipe will be supported on structural steel support columns, held in precast concrete footers at 15 ft. intervals.

The pipe line system will be fitted with a special regulating valve to control the CFM of air required to convey the pencil pitch and thus avoid the blockage in the pipeline system. The line will be fitted with a Y branch, allowing one arm directed toward the new shed and the other toward the existing shed. Each arm will be fitted with at least six branch-offs, each equipped with a butterfly valve having a remote control actuator. Each valve when fully open, will allow the pencil pitch to be discharged via a telescopic chute onto the surface of the storage building.

DUST COLLECTOR

A dry bag dust collector will be provided to receive the pitch dust laden air exhausted from the conveying pipe. The pulse jet air, bag collector, designed to operate on a continuous cycle, will rest on an elevated structural steel frame support and will have an exhaust duct, connected to a fan. The discharge end of the fan will be connected to a stack resting on the concrete foundation.

The collector will be located in the vicinity of the existing storage shed.

WALKWAYS & ACCESS ROAD

The area surrounding the existing and the new storage buildings will be paved and stabilized by 8" to 10" thick bed of crushed stone to allow mobile equipment to enter into these sheds to stock pile the pencil pitch and also bring the dust from the dust collector's hoppers and discharge the same into the piles.

A set of calculations have been developed to evaluate the per metric ton cost of unloading the pencil pitch from the new dock facility to the in-plant storage sheds.

The calculations take into account the few basic assumptions, which are listed below.

CASE #1 AND CASE II

- (1) Annual throughput of 100,000 M.T.P.Y.
- (2) Size of incoming vessel 5,000 M.T. Dwt.
- (3) Payback for the shipunloader, dock facility, and the new storage shed to be 10 years for Case #1 and 5 years for Case #II.
- (4) An outright purchase of the mobile ship unloader.

CASE III AND CASE IV

- (1) Annual throughput of 75,000 M.T.P.Y.
- (2) Size of incoming vessel 5,000 M.T. Dwt.
- (3) Payback for the ship unloader, dock facility and the new storage shed to be 10 years for Case III and 5 years for Case IV.
- (4) An outright purchase of the mobile ship unloader.

CASE V AND CASE VI

- (1) Annual throughput of 100,000 M.T. for Case V and 75,000 M.T. for Case VI.
- (2) Size of incoming vessel 5,000 M.T. Dwt.
- (3) Payback for the dock facility, mobile ship unloader, and the new storage facility to be 10 years.
- (4) A 24 month lease/purchase arrangement for the mobile ship unloader.

SUMMARY SHEET A

PNEUMATIC UNLOADING OPERATION

CASE NO.	INCOMING VESSEL METRIC TON	ANNUAL THROUGHPUT METRIC TON	PAY BACK IN YEARS	INTEREST RATES <u>PER YEAR</u>	# TOTAL * TERMINAL COST PER METRIC TON
I	5,000	100,000	10	6%	8.0
II	5,000	100,000	5	6%	11.15
III	5,000	75,000	10	· 6%	10.27
IV	5,000	75,000	5	6%	14.49

NOTE:

* THE TOTAL TERMINAL COST INCLUDES:-

- (1) Outright purchase of the ship unloader.
- (2) Operating cost of the ship unloader.
- (3) Installation of the ship pier, mooring dock, dolphins and bridge.
- (4) Installation of a new storage shed at the plant.
- (5) Installation of the pipe line from the unloader to the storage sheds.
- (6) Maintenance cost, including personnel and supervision.

PREDIXALIC DIALDADING OPERATION
ANNUAL THROUGHPUT = 100,000 M.T CASE II
5 YEAR PAYBACK

	5 YEAR PAYBACK						
,			#(P	st		
4.	IN PLANT STORAGE & HANDLING						
	INVESTMENT COST						
	* NEW STORAGIE BUILDING (INSTALLED)		38	0	00	o	
	* A RECLAIM FRONT END LOADER		3	5	00	d	
	* CONTROL ROOM + CONTROL ROOM EQUIP.		4		28	0	·
	* TRANSPORTATION COST		-	5	do	0	
	* RODDWAY & LIGHTING ETC.			4	00	9	-
	* DUST COLLECTOR MOTOR DRIVE & STACK		7	7	٥٥	0	
	* CONTINGENCY			3	50	0	
	SUB TOTAL INVESTMENT COST		56	6	30	0	
	INVESTMENT COST PERYEAR (5 YEAR BACK)		11	3	26	0	· ·
	INTEREST COST (AVERAGE 6 PER EAR)		1 1	3	- 1	8	•
	TOTAL INVESTMENT COST		14	7	23	8	lentes n
·	Cost @ 100,000 W.T.P.T.		1	1 .1	72	1 1	ERTON
							
5.	OPERATIONAL COST.						
	* LEASE OF PROPERTY (APPROX. 22 Acce)		4	0	00	0	
	* PERSONNEL + SUPERVISION		4	5	00	0	····
· · · · · · · · · · · · · · · · · · ·	* Maintenance + ENERGY COST		2	0	00	9	
	* ADMINISTRATIVE + MISC.		_	,	00	7	,
·	TOTAL OPERATING COST		12	5	00	0	Pealeon
	Cost @ 100,000 M.T.P.7			10	25		PER TON
			<u> </u>		_		
,	TOTAL TERMINAL COST PERTON			_			
	2.82+1.68+3.93+1.472+1.25=\$11.15						
			-				
		 	 	-		-	·
	•	• 1	1 {	1		, ,	

PNEUMATIC UNLOADING OPERATION ANNUAL THROUGHPUT = 75,000 TO CASE III 10 YEAR PAYBACK.

SHIP SIZE = 5,000 M.T. DWT.

SHIP UNLOADER = KOVAKO - M-130-D-4 ROAD MOBILE

SHIPUNLOADER, MAXCAPACITY 130MT.I

0.8 LITER FUEL PER TON.

ACTUAL CAPACITY = .65×130 = 85M.T.P.H

STORAGE AREA = 75,000 TON. (COMBINED)

TYPE OF OUTPUT = BULK TRUCKS OR RAIL CAR.

PAYBACK = 10 YEARS.

1.

SHIP UNLOADER

INVESTMENT COST.

* PRICE OF UNLOADER

* BOOSTER PUMP WITH COOLER

* TRANSPORT COST TO SITE

* INSTALLATION COST *

* COST OF PIPELINE TO THE STORAGE AREA.

SUBTOTAL INVESTMENT COST

INVESTMENT COST PERYEAR (10 YR PayBack)

INTEREST COST (AUGRAGE 6) PERYEAR)

TOTAL INVESTMENT COST.

COST @ 75,000 M.T.P.Y

875,000 25,000 1000 176,000 108500 108500 65100 173,600 PERYEA 2,314 PERTON

PNEUMATIC UNLOADING OPERATION (2)							
ENNUAL THROUGHPUT = 75,000 M							
10 YEAR PAYBACK	\$ 6557						
2 OPERATIONAL COST							
* OPERATORS COST (2x15x59x20x1.5)	53100						
* FUEL COST (. 22 x 1.35 x 75,000) (3)	22280						
* MAINTENANCE COST = 1800 × 12	21600						
RENTAL CRAME = 2000x12	24000						
RENTAL DOZER = 800 X12	9600						
FUEL (.18 x 1.35 x 20 (75,000))	3645						
MISC. MATL, TARP, POLYCLOTH GLOVES.	5000						
SUBTOTAL OPERATING COST	139225PERTE						
COST @ (75,000 M.T.P.Y)	1.856 PERTO						
3 SHIP PIER BRIDGE & MOORING							
INVESTMENT COST							
* PIER & BRIDGE INCLUDING DESIGN	890300						
* MOORING & BREDSTING DOLPHINS	489500						
* WALKWAY & LIGHTING	132000						
SUBTOTAL INVESTMENT COST	1511,800						
INVESTMENT COST PER YEAR (104R PAYBACK)	151,180 PERYEN						
INTEREST COST (AVERAGE 6% PERYR)	90708						
TOTAL INVESTMENT COST	241888 PECYED						
COST @ 75,000 MITIPIT	3.225 , PEQ TO						
(A) 75000 - 15 6 5000 - 59 FOR EACH BOAT.							
WAGES = \$20/HR FLAT OVERTIME = 1.5							
BFUEL= . 8x . 26417 = . 22 FUEL ; COST OFFUEL= \$ 1.35							
@ DUST TO SCROPE FROM HULL IS ESTIMATED TO BE 20%							
OFTHE TOTAL.							

PHEUMATIC UNLOADING OPERATION

ANNUAL THROUGHPUT = 75,000 M.T. - CASE II

LOYEAR PAYBACK

4

IN PLANT STORAGE & HANDLING

- * NEW STORAGE BUILDING (INSTALLED)
- * RECLOIM FRONT-END LOADER
 - * CONTROL ROOM+ CONTRL RM. EQUIP.
 - * TRANSPORTATION COST
- * ROADWAY, LIGHTING ETC.
- * DUST COLLECTOR, MOTOR, DRIVE STACK
- * CONTINGENCY

SUBTOTAL INVESTMENT COST INVESTMENT COST PERYEAR (10 YEAR PAYBACK) INTEREST COST (AVERAGE 6 % PERYE) TOTAL INVESTMENT COST

Cost @ 75,000 M.T.P.Y.

5. OPERATIONAL COST

- * LEASE OF PROPERTY (APPROX. 27 ACRE)
- * PERSONNEL + SUPERVISION
- * MAINTENANCE + ENERGY COST
- * ADMINISTRATIVE + MISCELL.

(COST @ 75,000 MITIPIT)

FOTAL TERMINAL COST PER TON

2.314+1.856+3.225+1.208+1.667= 10.27

The Cosi

380,000 35,000 41,800 5000 14000 77,000 13500 566300 566300 33978 90608 Perfer

40,000 45,000 20,000 125,000 Penyer 1.667 Peeto

PHEUMATIC UNLOADING OPERATION	SHEET	2
AKINILAT TIDOUCHDUT - 75 565 47 CI	1CE .	Ŧ

ANNUAL THROUGHPUT = 75,000 M.T CASE IV									
	5 YEAR PAYBACK	_	. 7		 , 1	ı	, :	ı.·~	
		_	5	# <	P	37.		· ·	
2	OPERATIONAL COST	_		<u>. </u>			ļ.		
	* OPERATORS COST (2x15x59x20x1.5)			5	3	LD	Q	,	
	* FUEL COST (. 22x1.35x75,000)	_		2	2	2 8	<u> </u>		
	* MAINTENANCE COST = 1860 2 12			2	1	50	20		
	RENTAL CRANE = 2000x12	_		2	4	2 C	2	,,,,,	
	RENTAL DAZED = 800 x12				9 (o C	0	·	
	FUEL (. 15 x 1.35 x 20/ (75,000))			_	3	5 4	5	-	
	MISC. MATL, TARP, POLYCLOTH GLOVES				5	2 C	0	,	
	SUB TOTAL OPERATING COST		. 1	3	9	22	5	PERYR	
	COST @ 75,000 M.T.P.Y			1	8	50		PERTON	
	\					\perp			
3.	SHIP PIER BRIDGE & MOORING.								
	INVESTMENT COST	Ŀ							
· · · · · · · · · · · · · · · · · · ·	* PIER & BRIDGE INCLUD. DESIGN		8	9	0	30	O	· •	
	* MOORING & BREASTING DOLPHIN		4	8	9 5	30	0		
	* WALKWAY & LIGHTING		1	3	20) C	0		
	SUB TOTAL INVESTMENT COST		15	1	18	0	0		
	INVESTMENT COST PER YEAR (5 YR PRY BACK) INTEREST COST (AVERAGE 6 9 PER YR)		3		23				
·	INTEREST COST (AVERAGE 6 9 PER YR)				0 7				
	TOTAL INVESTMENT COST		3	9	30	16	8	Peryec	
<u> </u>	TOTAL INVESTMENT COST COST@ 75,000 N.T.P.Y			5	24	.1		Perton	
.						_			
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					_				
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		ļ	1	1	1.	ļ)	•	

LEASE/PURCHASE ARRANGEMENT

FOR THE MOBIL SHIP UNLOADER

SUMMARY SHEET B PNEUMATIC UNLOADING OPERATION

CASE NO.	INCOMING VESSEL M.T.	ANNUAL THROUGHPUT M.T.	PAY BACK IN YEARS	INTEREST RATE PER YEAR	TOTAL TERMINAL * COST PER METRIC TON
<u>IV</u>	5,000	100,000	10	6%	
lsT YR					10.98
2ND YR				:	10.98
3RD YR				÷	7.42
4TH YR					6.54
5TH YR	AND THERE	ON		·	6.54
<u>VI</u>	5,000	75,000	10	6%	· · ·
1ST YR					14.26
2ND YR				·	14.26
3RD YR					9.51
4TH YR					8.33
5TH YR	AND THERE	ON			8.33

NOTE:

^{(1) *}The mobile ship unloader has been leased for a period of 24 months with a view to be purchased after 2 years.

PRESENT UNLOADING PRACTICE

USE OF CLAM-SHELL BUCKET TO UNLOAD PITCH

AT THE PORT OF PORTLAND

SUMMARY SHEET C

Following is the cost analysis of the Chinese pitch which arrived in the vessel "ARTEM" at the Port of Portland and was unloaded on Feb-26-92.

Total quantity of Pencil pitch unloaded = 5557M.T. * Pencil pitch discharged to the trucks = 544 M.T.

			\$ Cost	\$ Cost/ Metric Ton
	Discharge to trucks (544 M.T.) Labor required to sweep)	=	8,278	15.21
	clean the vessel)	=	2,350	0.42
	Labor to tarp the trucks		1,926	0.35
	Truck Freight (Port to the plant) Truck unloading at the plant	=		4.00
(3)	ridek dilioading at the plant	_		2.00
	Total	al	Cost	= \$21.98

THIS COST \$21.98/M.T. REFLECTS LOADING TRUCKS AT THE PORT OF DELIVERY TO THE PLANT STORAGE SHED.

NOTE: Following items are not included

- (1) Brokers Fee.
- (2) Draft displacement survey fee.

^{*} Copy of the invoice attached.



HALL-BUCK MARINE, INC.

P.O. BOX 35 **BURNSIDE, LOUISIANA 70738**

INVOICE NO. 92/1950

DATE

02/26/92

KOPPERS INDÚSTRIES, INC. ATTN: W. W. TURNER 1601 KOPPERS BUILDING PITTSBURGH, PA 15219

TERMS: NET 30 DAYS.
1 1/2% INTEREST ON UNPAID BALANCE THEREAFTER.

CUSTOMER NO. REFERENCE PORTLAND BULK TERMINAL 0083006 COAL TAR PITCH M/V "ARTEM" COMMODITY: VESSEL: 1000 HOURS ON 02/23/92 COMPLETED: DISCHARGED TO TRUCKS DISCHARGED TO COVERED RAILCARS -----TONS: 544.300 TONS: 5,012.700 RATE: RATE: \$15.21 \$20.49 _____ \$8,278.80 CHARGE \$102,710.22 CHARGE: ADDITIONAL CHARGES EXTRA LABOR REQUIRED TO SWEEP CLEAN VESSEL (KOPPERS REQUEST) FEBRUARY 22, 1992 HOLD #1 - 8 HOURS OVERTIME - 2 MEN AT \$587.70 PER MAN \$1,175.40 FEBRUARY 23, 1992 HOLD #1 - 8 HOURS OVERTIME - 2 MEN AT \$587.70 PER MAN \$1,175.40 EXTRA LABOR TO TARP TRUCKS FEBRUARY 21, 1992 DAY SHIFT -- 2 MEN AT \$428.23 PER MAN NIGHT SHIFT -- 2 MEN AT \$534.54 PER MAN \$856.46 \$1,069.08 ========= REMIT TO: HALL-BUCK MARINE, INC. P. O. BOX 54695 NEW ORLEANS, LA 70154

> MAR 2 1992

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1M	PORTAN	IT: CIRC	LE TERMS	ONINV	DICE	NET S		115,265	3 b	483		

SUMMARY SHEET D

Following is the cost analysis of the Chinese pitch which arrived in the vessel "GENERAL CABAL" at the Port of Portland and was unloaded on July-24-92.

Amount of Pencil pitch unloaded = 5196 metric ton *
Material discharged to trucks = 368 metric ton

		<u>S Cost</u>	\$ Cost/ Metric Ton
Discharge to Trucks only (368 M.T.) Labor required to sweep clean the	=	5,822	15.82
vessel.	=		
Labor to tarp the trucks	· <u>=</u>	897	2.44
Truck freight (Port to the plant)	= '	_ 	4.00
Truck Unloading at the plannt	=		2.00
Total Co	st	=	\$24.26

Total cost of unloading and delivery to the shed = \$24.76

NOTE:

(1) Labor required to sweep clean the vessel appears to be included in the rate applied for loading rail cars.

^{*} Copy of invoice attached.

HALL-BUCK MARINE INC. PORTLAND BULK TERMINAL INVOICE INFORMATION

TO: MR, CLARKE WILLIAMS

METRIC TONS

4828 RAILCAR

368 TRUCK

FROM: K. PITRE

TOTAL = 5196 M.T.

RE: VESSEL DISCHARGE

CUSTOMER: KOPPERS INDUSTRIES
COMMODITY: COAL TAR PITCH

VESSEL: GENERAL CABAL COMPLETED: 15:35 07/24/92

MT DISCHARGED TO RAILCARS: 4,828.150
RATE: \$21.31

TOTAL CHARGE : \$102,887.88

MT DISCHARGED TO TRUCKS: 368.00

RATE: 15.82 Ton \$15.82

TOTAL CHARGE: \$5,821.76

ADDITIONAL CHARGES: TRUCK TARPERS

07/22 TWO MEN 08:00-17:00 = 8 HOURS @ \$895.92/SHIFT = \$895.92

,

TOTAL DUE THIS INVOICE: \$109,605.56

AUG- 4-92 TUE 8:21 HALL-BUCK MARINE, INC. FAX NO. 503 285 4467 P. 02

Koppers009700

SUMMARY SHEET E

The following cost analysis pertain to the delivery of Japanese pitch, which arrived in the vessel "M/V AGNES" at the Port of Portland and the unloading into truck was completed on Feb-27-92.

Total quantity of pencil pitch unloaded = 3207 metric ton *

	<u>\$ Cost</u>	\$ Cost/ Metric Ton
 Discharge to Trucks only (3207 M.T.) Labor to tarp the trucks Truck freight (Port to the plant) Truck unloading at the plant 	= 48,778 = 8,662 = =	15.21 2.70 4.00 2.00
Total	Cost =	\$23.91

Total cost of unloading and delivery to the shed = \$23.91

* Copy of invoice attached.

NOTE: Following items are not included.

- (1) Brokers fee.
- (2) Processing custom entry.
- (3) Port usage fee.
- (4) Draft-displacement survey fee.



HALL-BUCK MARINE, INC.

P.O. BOX 35 BURNSIDE, LOUISIANA 70738

INVOICE NO.

92/1975

DATE

02/28/92

KOPPERS INDUSTRIES, INC. ATTN: W. W. TURNER 1601 KOPPERS BUILDING PITTSBURGH, PA 15219

TERMS: NET 30 DAYS.
1 1/2% INTEREST ON UNPAID
BALANCE THEREAFTER.

			Ţ	NYOICE
CUSTOMER NO.	REFERENCE			323 . 1 G) 13 CV ELE
0083006	_1	PORTLAND BULK TERMINAL		
	VESSEL:	COAL TAR PITCH M/V "AGNES" 1500 HOURS ON 2/27/9	> Jepanose PV	kh
. DISCHARGE	ED TO TRUCKS	DISCHARGED TO	COVERED RAILCA	RS
TONS: RATE:	3,207.000 \$15.21	TONS: RATE:	0.000	
CHARGE:	\$48,778.47	CHARGE	\$0.00	-
TOTAL DISCH	ARGE COST			\$48,778.47
ADDITIONAL 2/25/92	CHARGES EXTRA L	ABOR HIRED TO TARP TRU	JCKS	
	- 1800-0300 = 8 h	IRS AT \$534.54 PER MAN,	PER SHIFT	\$2,138.16
4 TARPERS - 4 TARPERS - 2/27/92	0300-0800 = 5 H 0800-1700 = 8 H	RS AT \$387.24 PER MAN, RS AT \$428.23 PER MAN,	PER SHIFT PER SHIFT	\$1,548.96 \$1,712.92
4 TARPERS -	0300-0800 = 5 H 0800-1700 = 8 H	HRS AT \$387.24 PER MAN, HRS AT \$428.23 PER MAN,	PER SHIFT PER SHIFT	\$1,548.96 \$1,712.92
			~~	

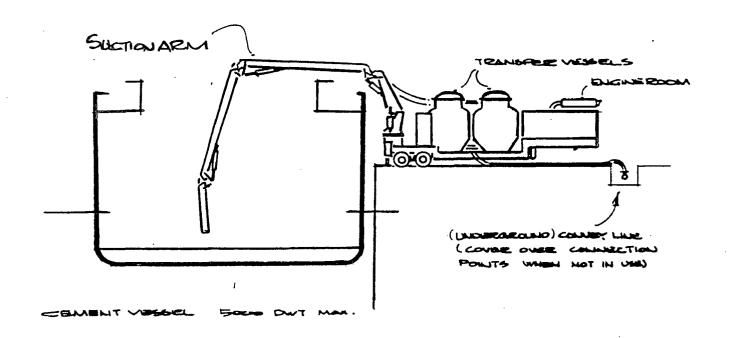
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REMIT TO: HALL-BUCK MARINE, INC. P. O. BOX 54695 NEW ORLEANS, LA 70154

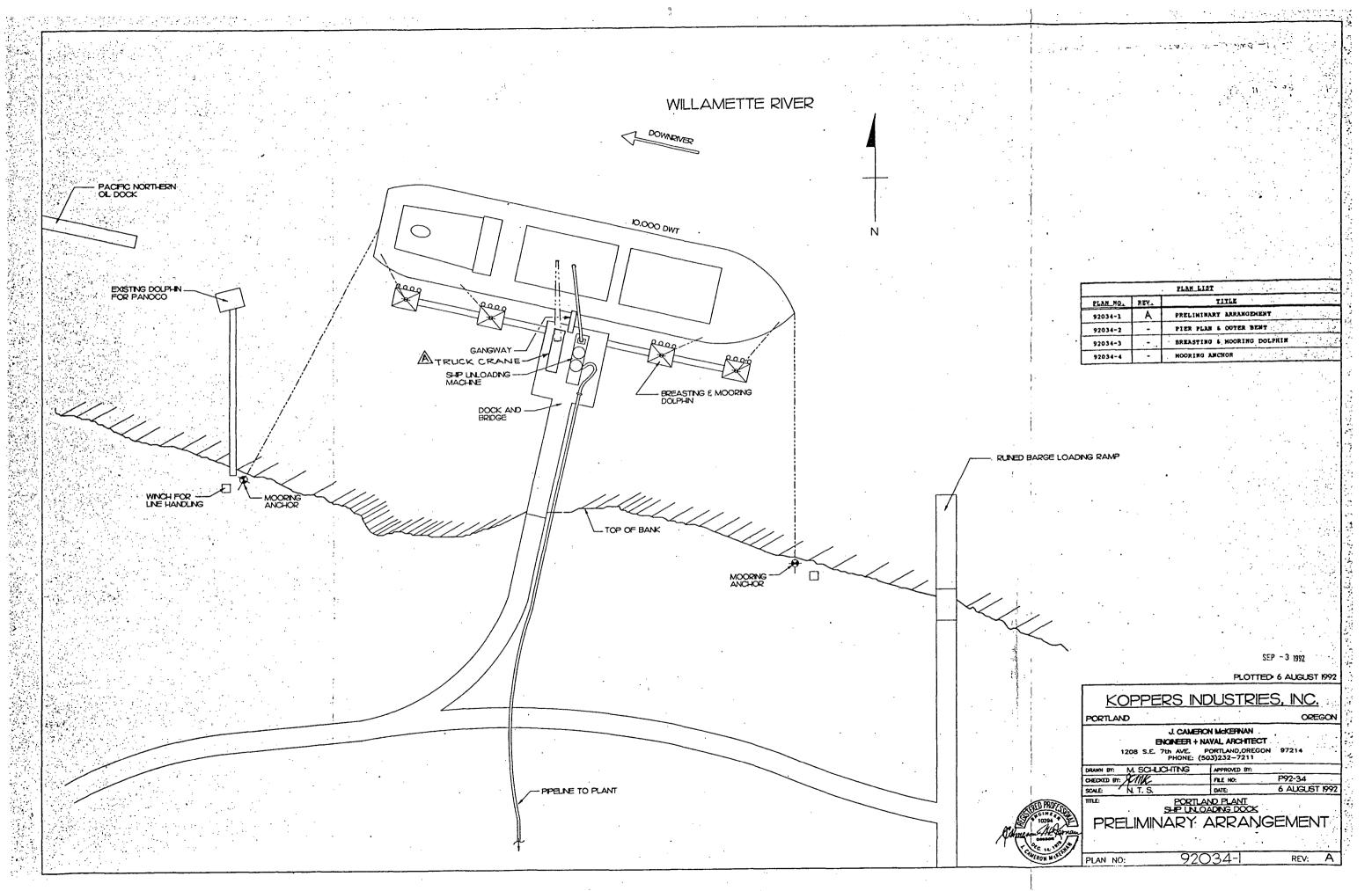
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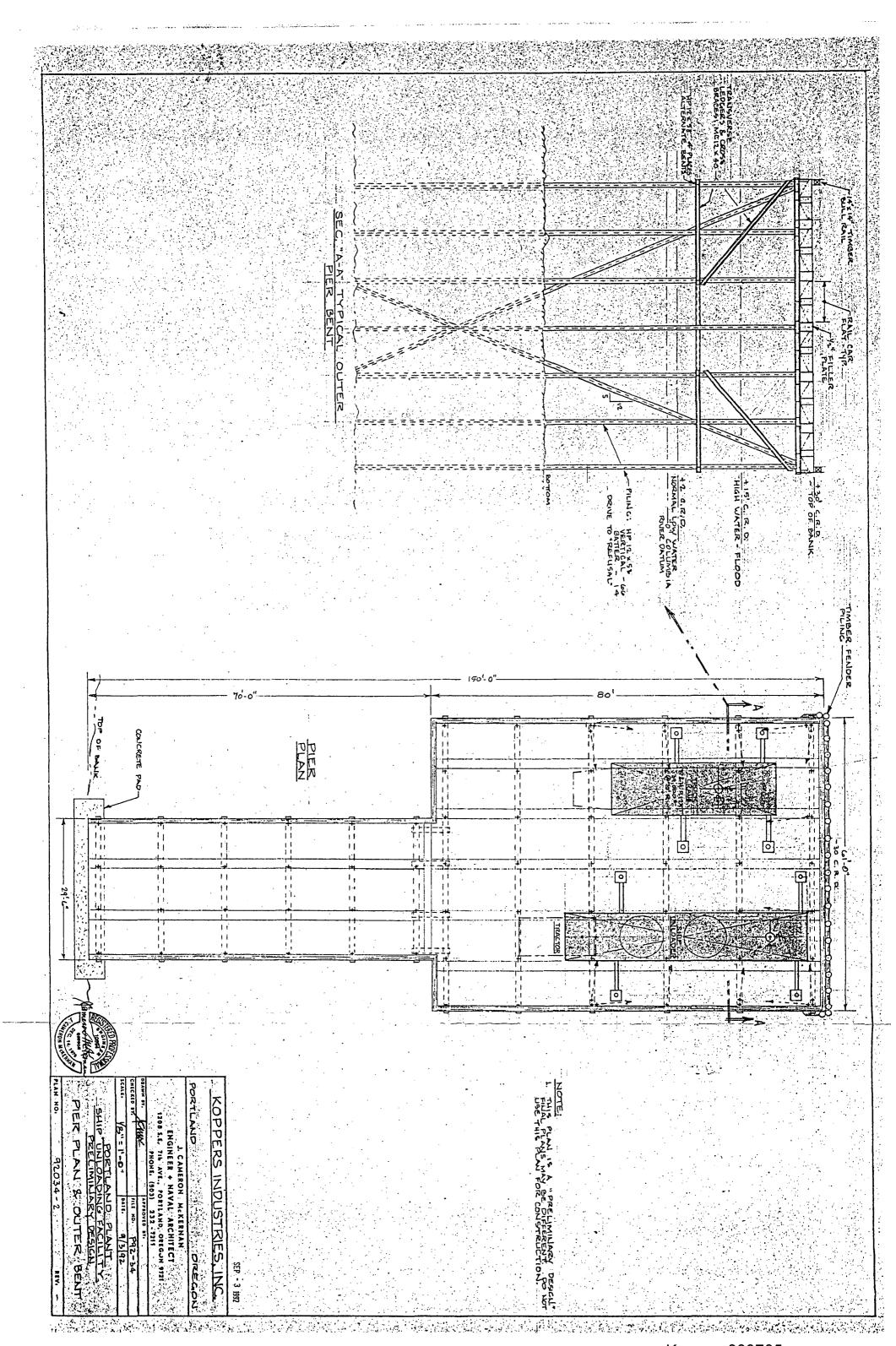
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ÓK TO- PÁY	Vons	2/1	مَالاحد	15) m		GROSS AM	TNUOI	57440	39	DIVISION	MONTH	AUDIT NUMBER
			LE TERM!		OICE	DISCOUNT NET \$		57,440	<u>;-</u> 39	483	3	

130 T/H SHIPUNLOADER M-130-D-4



KOVAKO





•

KOPPERS INDUSTRIES, INC.

THIS PLAN IS A "PRELIMINARY DESIGN."
FINAL PLANS MAY BE DIFFERENT, DO
NOT USE THIS PLAN FOR CONSTRUCTION

PORTLAND.

OREGION

J. CAMERON McKERNAN ENGINEER + NAVAL ARCHITECT

1208 S.E. 716 AVE., PORTLAND, OREGON 97214
PHONE: (503) 232-7211

BT. [APPROVED BY:

CHECKED BY.

SCALE.

VB"=11-01:

PATE: 9|5|92

PORTLAND PLANT

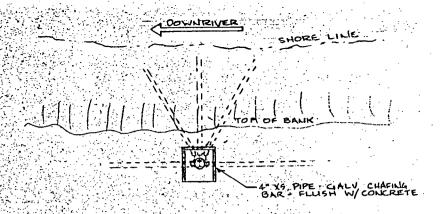
PORTLAND PLANT SHIP UNLOADING FACILITY PRELIMINARY DESIGN

BREASTING & MOORING COLPHIN

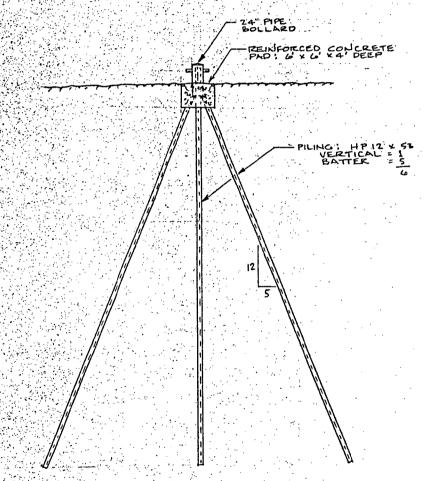
PLAN HO: 92034-3

ELEVATION LOOKING UPSTREAM

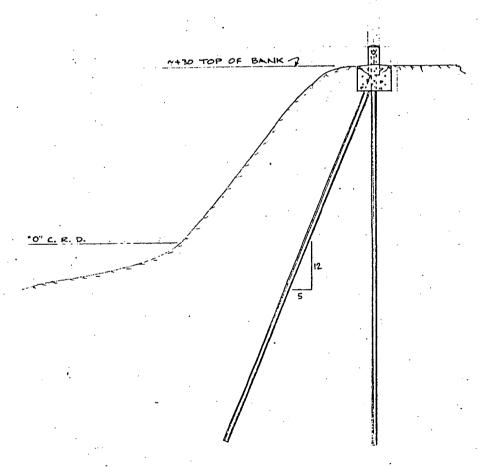
ELEVATION LOOKING TOWARD SHORE



PLAN



SECTION LOOKING TOWARD RIVER (EARTH REMOVED)

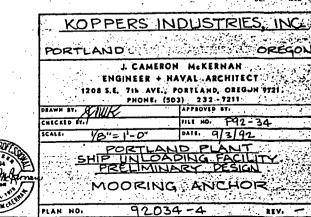


SECTION LOOKING UPSTREAM
(EARTH REMOVED)

NOTE:

I. THIS PLAN IS A "PRELIMINARY PESIGN FINAL PLANS MAY BE DIFFERENT. TO NO USE THIS PLAN FOR CONSTRUCTION.

SEP - 3 1997





220 N.W. SECOND AVENUE

(503) 226-4211

March 5, 1992

PORTLAND, OREGON 97209 - 3991

Mr. Amos Kamerer Pacific Procurement Manager Koppers Industries, Inc. 7540 N. W. St. Helens Road Portland, OR 97210-3663

Dear Amos:

In response to your letter of February 26, 1992, I find no objections to the construction of the proposed building we discussed while visiting your facility, provided that you assure access to the test pipes for the leach field and that you forward some documentation that demonstrates an acceptance on the part of the DEQ.

With regard to the other mentioned project, we feel that many more questions must be answered in order to approve such an expansion. We would ask that a study be completed that addresses environment, land use, obtainment of permits and an approval from the Army Corp of Engineers for the construction of an unloading facility on top of existing pilings.

As you know, Northwest Natural is committed to work with you in every way possible, provided that all questions concerning environment and property utilization can be addressed.

Please contact us should you have any questions concerning our response, and we look forward to working with you in the future.

Sincerely,

Ronald K. Opitz, Manager Risk & Land Management

RKO:dg

CC:

B. B. Samson

S. K. Hart

J. CAMERON McKERNAN

Engineer - Naval Architect

1208 S.E. 7th Avenue • Portland, Oregon 97214 • (503) 232-7211 • FAX (503) 232-7658

File No. P92-34
November 17, 199

File No. P92-34 November 17, 1992

M. Sayeed Sultan, Project Manager K-250 Koppers Industries Inc. 436 Seventh Avenue Pittsburgh, Pennsylvania

NOV 18 1992 KOPPERS IN S. IIC. PORTLAND,

Proposed Portland Ship Dock and Unloading System

15219-1800

Permits for Construction

Dear Mr. Sultan,

Subject:

I am writing this letter to outline the local permit requirements for construction of your proposed ship unloading facility. This is written to confirm our discussion in Portland last week.

The two principal regulatory requirements are the U.S. Army Corps of Engineers Permit to Perform Work in the Navigable Waters and the City of Portland Land Use Review. I attach copies of the application forms with this letter. Other permits will be I discuss each of the local regulatory agencies as required. follows:

CORPS OF ENGINEERS

A Corps of Engineers permit is required to do any work in the navigable waters. Most of the work we are concerned with is going to be in the navigable waters. The permit application requires small scale site plans that describe the project. A list of the owners of adjacent properties is to be included. Also required are a brief verbal description of the project and its intended use. The permit application is fairly simple. The processing time is variable. The Corps will have an internal review and then publish a Public Notice. There is time in the process for the public and the neighbors to review the project and if desired comment on it. Concurrently the Corps circulates copies of the application to other Federal agencies such as Fish and Wildlife, Environmental Protection, and others for review, comment, and approval. The overall time for this process is in the order of 90 days minimum. If there is any controversy about the project, which I don't anticipate on this project, public hearings can be held and the time for review, decision making and issuance of the permit could take longer.

Cont'd . . .

cc: John Oxford

Koppers Industries Inc.
Proposed Portland Ship Dock
and Unloading System
Permits for Construction
Page 2 of 4

File No. P92-34 November 17, 1992



OREGON DIVISION OF STATE LANDS

This agency is the State of Oregon Administrative Agency for managing Oregon State properties including the lands along the river banks that the State claims up to the high water mark. The State uses the same application as the Corp of Engineers Application. The State will circulate the application to other State Agencies that may have an interest in this project such as the Department of Environmental Quality, Department of Fish and Wildlife and others. This application also serves as your request for leasing the state land below the high water line that will be occupied by the pier. The application for this project should be processed routinely because the project does not require landfill or loss of wetlands.

CITY OF PORTLAND, BUREAU OF PLANNING

In accordance with state law, the City of Portland will conduct a comprehensive Land Use Review to ensure the project is permitted at the proposed location. The property is zoned industrial and is within the Willamette Greenway Area. The Greenway Review requires demonstration of the "water dependent" nature of the project. A Greenway Review Site Plan and a Landscaping Plan for the Greenway Set Back are required to be submitted with the Application. The Greenway Set Back is a strip 25 feet wide at the top of the river bank. The set back area is to be landscaped with "natural" vegetation. Because this project is water dependent and will not require amendments to or variances from the City's Land Use Plan (Zoning), I anticipate a routine Type II Review Process. If there are no comments requiring public hearings, the process takes about 60 days after submittal.

CITY OF PORTLAND, BUREAU OF BUILDINGS

The Bureau of Buildings issues Building, Plumbing, and Electrical Permits. Detail plans and supporting engineering calculations must be submitted with the permit applications. The building permit application cannot be submitted until after the Land Use Greenway Review is completed and approved. The City usually issues the building permits within 45 days of the application. The Review may sometimes take longer depending on the Bureau of Buildings work load.

Cont'd . . .

Koppers Industries Inc.
Proposed Portland Ship Dock
and Unloading System
Permits for Construction
Page 3 of 4

File No. P92-34 November 17, 1992



OTHER AGENCIES

Generally, permits from other agencies are not required until the project goes into operation. Some of the permits are briefly described:

Oregon State Department of Environmental Quality

- * Dust collector discharge requires a Minimal Source Air Contaminant Discharge Permit.
- * Cooling or waste water discharge into the River requires a National Pollutant Discharge Elimination System Waste Discharge Permit.

United States Coast Guard

- * A Certificate of Adequacy for Reception Facilities for Oily Waste Discharge is required. The application for this Certificate will show that the facility has a procedure for permitting vessels to discharge bilge water and other slops without discharging into the River. Contractors approved by the Coast Guard are available to provide this service.
- * A Certificate of Adequacy for discharge of garbage and other waste is required. The application for this Certificate will show that disposal of ship waste originating from foreign ports can be properly handled. The Port of Portland may be contracted to remove such waste.

Other minor permits may also be required such as crane certification and pressure vessel permits.

Generally, the permit process should proceed smoothly. the key to success is to submit complete applications giving all the information required by the agency.

Cont'd . . .

Koppers Industries Inc.
Proposed Portland Ship Dock
and Unloading System
Permits for Construction
Page 4 of 4

File No. P92-34 November 17, 1992



Agency review of the applications takes time. The most usual problem is time, not technical. Usually the project owner wants to start construction before the required permits are issued. It is almost impossible to expedite any of the agencies. The permit applications should be submitted well in advance of the desired construction start date. I would allow at least 6 months for the permit process. Six months would allow sufficient time for preparation and submittal of the applications and agency review and approval of the project.

Very truly yours,

J. Cameron McKernan

Enclosures:

* Corps of Engineers and State of Oregon Permit Application Forms

* City of Portland, Bureau of Planning Land Use Review (Greenway) Application Forms

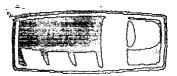
cc: John Oxford



TOTAL MECHANICAL INC.

Mechanical Contractors and Engineers 2410 S.E. 10TH AVENUE / P.O. 80X 12099 PORTLAND, OREGON 97215 (1771) 279-8121

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MESSING

THE WILLIAM POULSEN COMPANY, INC.

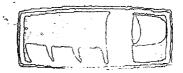
151 South El Molino Avenue, Suite 204 Pasadena, CA 91101 P.O. Box 93067 • Pasadena, CA 91109-3067 (818) 793-8103 • FAX (818) 795-9343

NORTHERN CALIFORNIA OFFICE 1350 Washington Street, Suite 26 San Francisco, CA 94109 (415) 346-6987 FAX (415) 346-1650

FACSYMILE COVER SHEET

DATE:	July 6. 1992	PAGE: 1 OF 3
TO:	Mr. Gregg Atkinson	FROM: William & Poulsen, Sr.
	Total, Mechanical	Pasadena Officexxx
SUBJECT	Rullenskricke Ship Unloader	Nor. Calif. Office
	Koppen Odustries For	CC. Ad Ligthart, Fuller-Kovako, B.V.
	Rox47 and Com.	Frank Sagula, Fuller-Kovako, USA Doug George, Fuller-Kovako, USA
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FAX tr	(50) Province	

"Engineered Systems and Equipment for Bulk Materials Handling, Processing and Air Pollution Control"



THE WILLIAM POULSEN COMPANY, INC.

151 South El Molino Avenue, Suite 204 Pasaderra, CA 91101 P.O. Box 93067 o Pasadena, CA 91109-3067 (910) 763-0103 c (AX (818) 795-9343 NORTHERN CALIFORNIA OFFICE 1350 Washington Street, Suite 26 San Francisco, CA 94109 (415) 346-8907 FAX (415) 346-1650

commente Ship Unloader

There is a view inc.

5 % St. 1, 54 2/134

the same of the conventations, we are pleased to confirm the converse to a character in comes on for a Fuller-Kovako Pneumatic Ship attent to the converse to 10 metalle tons per hour (through the ship and over the care of powder to 3/4" or of tong 2 and one, again. The product has a bulk density of 58 for my one or other and meaning of repose of less than 50 degrees.

control to a community of the fullowing:

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the american, by dw

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- The first part of district
- Complete unit built shove bearing rang.
- Pedestal dimensions on the dock: Approximately 6 X 6 meters.
- ~ Weight of unit: Approximately 330 tons.
- Installed power: Approximately, 800 KW.

rudget orige . uproximately Dil, \$4,500,000.00.

Approximation of ly a 2.25 million t.S.D.

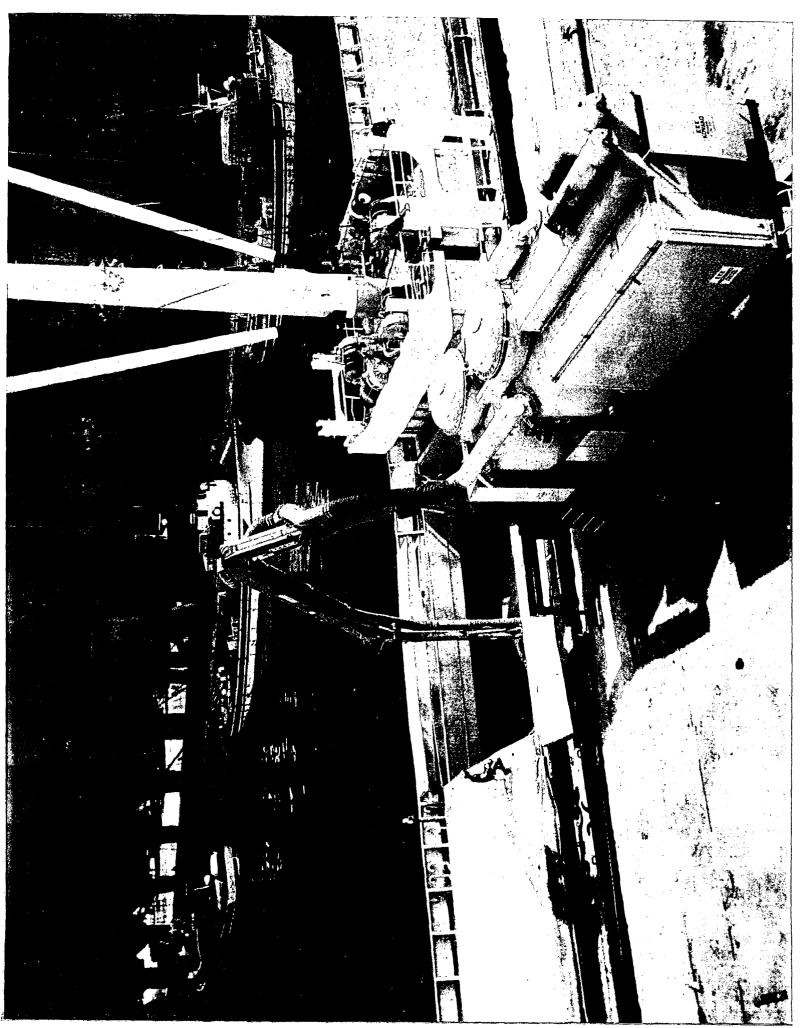
Full makes the less received a semple of the product and feels that due to the absence of the material, as well as economic considerations and others. It would not be practical to propose a Pressure Pneumatic Conveyand symbols that dock to the warehouse storage buildings. Pullerand symbols to the proposal Sketch which will be faxed to us in the them they or the less in the short builder intermedian proves feasible for the ordinate on will be pleased to provide a complete proposal for your consideration.

"Engineered Systems and Equipment for Bulk Materials Handling, Processing and Air Pollution Control."

The South and we look forward to these on this project.



Koppers009717



Koppers009718

KOPPERS PORTLAND FACILITY

PROJECT STUDY

<u>FOR</u>

A SHIP UNLOADING DOCK AND BRIDGE

AT WILLAMETTE RIVER

INCLUDING

A MOBILE SHIP UNLOADER

<u>FOR</u>

PNEUMATIC HANDLING OF PENCIL PITCH

SAYEED SULTAN K-2050

KOPPERS PORTLAND FACILITY

FULLER KOVAKO'S MOBIL SHIP UNLOADER

INTRODUCTION

Fuller Kovako B.V. is a highly specialized Company in respect to custom built pneumatic handling systems. Its product range consists of pneumatic barge & ship unloading equipment, special purpose pneumatic equipment, a range of terminal handling equipment and general engineering.

The Company is mainly involved in the market for cement transportation and handling, but it has designed and installed pneumatic equipment to handle, alumina, flyash, gypsum powder, coal powder, etc...

Recently the Company has started to design, fabricate and market equipment for coarse products such as pebble lime, grain and other granular materials.

Fuller Kovako's pneumatic system is capable to vacuum over large distances. Suction lengths of 164 ft. (50 meters) and blowing length of 2130 ft. (650 meters) have been achieved.

The road mobile unloaders have been designed to handle 50 M.T.P.H. (55 S.T.P.H.) to 150 M.T.P.H.(165 S.T.P.H.). Since the unloader is only 65% mechanically efficient, therefore, the net withdrawal rate of these unloaders is as follows.

```
65% x 50 M.T.P.H. x 24 Hrs/Day = 780 M.T.P.D.
65% x 130 M.T.P.H. x 24 Hrs/Day = 2028 M.T.P.D.
65% x 150 M.T.P.H. x 24 Hrs/Day = 2340 M.T.P.D.
```

Discussions with Fuller Kovako's representative have led to the fact that they do not know what pencil pitch is. Neither they have seen the material before nor they have tried to pneumatically convey the same.

DISCUSSIONS

Koppers briefed Fuller Kovako regarding pencil pitch, as to its structure, friability, temperature at which it congeals, melting point, dust characteristic, effect of direct sun light, etc..

It was also pointed out that unlike conveying cement or pebble lime, the basic vacuum system and the blowing system must have:

(1) Larger diameter pipe.

(2) Less than average conveying speed.

- (3) Booster stations alongside the pipe line to ensure that the temperature of the conveying air does not rise above 50 degrees F.
- (4) The use of a chiller to ensure that a low temp. conveying air is available.

Fuller Kovako are very anxious to work with Koppers to design and supply a two vessel all trailer mounted mobile shipunloader to handle the pencil pitch. Their main requirement is to supply them with one or two car load of material, so they can test it in their lab and develop the required data for pneumatic handling.

Fuller Kovako strongly feel that their machine is most ideal because:

- 1. It is a small and relatively low investment ship unloader.
- 2. The unloader is capable of doing the whole job. It not only withdraws the material from the ships, but it also conveys it to the storage facility. The only thing it requires is a simple pipeline to do the job.
- 3. The unloader is fully road mobile and completely self contained. The unit can be moved from one location to another without disassembling the large components. It is ready for start-up almost instantly after arriving at the dock.
- 4. Environmentally it is absolutely the most accepted system throughout the United States.
- 5. It is equipped with a large flexible arm which provides an excellent reach all through the hold of the ship to be unloaded. This flexibility allows maximum clean up at a very high efficiency.
- 6. It is estimated that, for 5000 DWT ships and a conveying distance of 800 ft., the road mobile unloader will consume about 2 KWH or 0.7 liter diesel fuel per ton conveyed.

- 7. Since there are no moving parts except two butterfly valves (Sketch Attached) therefore the wear is minimal.
- 8. Since early 1986 till 1991, Kovako has sold over 60 mobile ship unloaders throughout the world. These units have ranged from 100 M.T.P.H. to 800 M.T.P.H. in their unloading capacity.

CONCLUSION

Koppers have approached Fuller Kovako to provide three cost estimates for the supply, erection and start-up of a mobile ship unloader capable of unloading 150 M.T.P.H. of pencil pitch from 5,000 to 10,000 DWT vessels as follows.

- (1) An out-right-purchase price for the unit.
- (2) A rental arrangement spanning over a period of one year, where the rental cost is established on monthly basis.
- (3) A lease arrangement, allowing the monthly lease payment to be deferred toward the purchase of the unit, after it has been in service for 12 months.

A detail reply from Fuller Kovako is expected very soon.

SHIP UNLOADING DOCK AND BRIDGE

AT THE WILLAMETTE RIVER

SHIP PIER

The dock is designed to be 61'-0" wide x 80 ft. long and it will be located at a distance of 70 ft. from the shore line into the Willamette River. The dock will be supported on vertical piles driven to the "Refusal" and will be cross braced by structural batters.

The dock surface will be a welded plate structure formed by utilizing the bed of the flat rail cars. These surfaces will be properly strengthened by utilizing new structural shapes to support the longitudinal and transverse load imposed by the ship unloader or the crane. The top of the deck will be maintained at an elevation of 30 ft. where the low water level datum is zero and the high water (flood) level is 15 ft.

All four sides of the top edge surface of the dock will be protected by $14" \times 14"$ timber bull rail.

The entire North side of the dock surface facing the vessels will be covered with timber fenders, spaced at suitable intervals, to absorb the impact of the vessel.

The dock will be designed to support one (1) Fuller Kovako Model 130-D-4 mobil ship unloader complete with tractor. Additionally, enough room is provided to rest and support a truck crane P&H Model 9125 unit weighing 39,000 lb..

BRIDGE

The bridge will be 30 ft. wide x 70 ft. long and will span over the river, having one end resting on a 15 ft. wide x 35 ft. long concrete pad at the top of the bank and the other end connecting to the dock platform.

The bridge will be supported on piles & caps, practically the same way as the dock, and will have the similar load bearing characteristics.

MOORING AND BREASTING DOLPHINS

Four (4) Mooring and Breasting dolphins will be provided to facilitate the mooring of 50,000 DWT to 10,000 DWT vessels. Each dolphin will consist of HP 12 x 53 vertical piles driven down to the rock surface. These piles will be properly cross braced and furnished with pole type fender piles attached to cylindrical rubber fenders, to absorb the impact of a vessel.

Each dolphin platform will have a facing of 12 in. dia XXS chafing bar and a 3 in. dia. pipe handrail on the backside. The platform will be furnished with a 36 in. dia. XXS 36" high pipe to act as a bollard.

The dolphins will be spaced at appropriate distance to facilitate a 10,000 DWT vessel to be tied-in without any difficulty.

MOORING ANCHORS

Two (2) Mooring anchors will be designed and installed. Each anchor will be located on the shore line near the river bank and will consist of six HP 12×53 piling. The piles will be capped by a massive concrete pad to form the head of the anchor.

A 36" dia. XXS pipe will be installed to act as a bollard.

WALKWAY

A 3 Ft. wide galvanized steel walkway will be provided to connect all dolphins. The structural steel fabricated walkway will be rigidly strengthened to absorb the impact of the vessels. The walkway will be covered with XS galvanized grating.

GANGWAY

The dock will be equipped with a 4 ft. wide x 20 ft. long, structural steel fabricated gangway. The unit will be fitted with two heavy duty cylinders to be actuated by a hydraulic motor. The start-raise-lower-stop push buttons will be installed near the motor.

WINCH FOR LINE HANDLING

Two (2) winches, one on each side of the bridge will be installed near the mooring anchor. Each winch will be equipped with an electric motor & reducer.

LIGHTING & POWER

Every attempt will be made to have the local utility company install two (2) 125 KVA transformers, near the shore line.

Lighting system will be designed and installed to provide, sufficient overhead lights to allow the workers to unload the vessels after dark.

A 10 ft. square x 8 ft. high concrete block building will be provided near the transformers bank on the shore line to house the circuit breakers and the electric meters.

	KOPPERS PORTLAND FACILITY SHIP UNLOADING DOCK AT WILLAMETTE RIVE	A-1 9-22-92 BAYEED
	SUBJECT	\$ Cost
	1. ADMINISTRATIVE & ENGINEERING	
	1.1 PERMIT FEES	10,000
184,300 96,000 18,000 890,300	1.2 ENGINEERING PERMIT APPLICATION DESIGN & DRAWING DRAWING APPROVAL CONSTRUCTION SUPERV. 15 000 SURVEYS PHOTOS P'GH PROJECT MGT. SUBTOTAL = 96,000	96,000
	2. SHIP PIER & MOORING	
713, 000 71-17, 300	2:1 PIER AND BRIDGE 80 PILINGS & CAPS 430,000 DECK, RAILCARS-FILER PLT \$ 200,000 WOOD FENDERING (22 PILES) 50,000 WOOD BULL RAIL CONCRETE PAD& RIP-RAP 25,000	
19/20	SUB TOTAL = 713,000 -	713,000
0 00	MOORING & BREASTING DOLPHINS 4 @ 80,000 320,000 MOORING ANCHORS	
\$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50	2@ 30,000 60,000	
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	TOTAL OF THIS PAGE =	1,264,000

	KOPPERS PORTLAND FACILITY	A-2 9-28-92
	SHIP UNLOADING DOCK AT WILLAMETTE RIVER	
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4 12 112	4 e 10,000 40,000 LIGHTING & POWER ON DOCK = 80,000	
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	3. SHORE SIDE STORAGE & HANDLING	
	3.1 PIPELINE FOR PHEUMATIC CONVEYING?	-
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	DUST COLLECTOR WITH DRIVE) SUPPORT STRUCTURE & STACK \$ 70,000	
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12/2	POWER AND LIGHTING FROM } 25,000	
ماه	STRUCTURAL REINFO: OF EXISTING SHED	
500	WALKWAYS ASPHALT ROAD)	
27/2	COVERS SHEDS OVER 38,000 ELECTRICAL & MECH. ITEMS }	
9 9 9	SUBTOTAL = 293,000-	293,000
38,000 3,800 41,800	SUB TOTAL =	1677,000
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	Total	
	TOTAL	1,844,700
	TOTAL CONSTRUCTION COST = 1,850,000	
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IN PLANT FACILITY

NEW PITCH STORAGE SHED

The new shed located north east of the plant and adjacent to the existing storage shed will be $150~\rm ft.$ wide x $200~\rm ft.$ long. This structural steel frame building covered with roofing and siding is designed to be $22~\rm ft.-10"$ high from the finished floor level to the underside of the purlin at the eaves.

Inside of the building is provided with a 1/4" thick x 7 ft. high steel plate wall on all four sides. The plate will be attached to the girts and held in place by high strength bolts.

The building will be provided with a net work of discharge pipes to ensure that the maximum area of the floor is utilized to store pitch to a reasonably safe height (See Sketch).

EXISTING PITCH STORAGE SHED

The existing storage shed is 128 ft. wide x 182 ft. long. The roof structure of this building will be reinforced to support the incoming conveying line and the distribution lines.

The torn and misplaced section of roofing and siding will be removed and replaced by new sections.

PIPE LINE

The pneumatic conveying line, emerging from the transfer vessel of the Fuller Kovako unit will be elevated and supported alongside the handrail of the bridge until it reaches the shore line. At this point, the pipe will be elevated to maintain a 16 ft. high elevation while it will gradually rise, gaining height, until it reaches near the new pitch storage shed. From the shore line to the storage shed which covers an approximate distance of 800 ft., the pipe will be supported on structural steel support columns, held in precast concrete footers at 15 ft. intervals.

The pipe line system will be fitted with a special regulating valve to control the CFM of air required to convey the pencil pitch and thus avoid the blockage in the pipeline system. The line will be fitted with a Y branch, allowing one arm directed toward the new shed and the other toward the existing shed. Each arm will be fitted with at least six branch-offs, each equipped with a butterfly valve having a remote control actuator. Each valve when fully open, will allow the pencil pitch to be discharged via a telescopic chute onto the surface of the storage building.

DUST COLLECTOR

A dry bag dust collector will be provided to receive the pitch dust laden air exhausted from the conveying pipe. The pulse jet air, bag collector, designed to operate on a continuous cycle, will rest on an elevated structural steel frame support and will have an exhaust duct, connected to a fan. The discharge end of the fan will be connected to a stack resting on the concrete foundation.

The collector will be located in the vicinity of the existing storage shed.

WALKWAYS & ACCESS ROAD

The area surrounding the existing and the new storage buildings will be paved and stabilized by 8" to 10" thick bed of crushed stone to allow mobile equipment to enter into these sheds to stock pile the pencil pitch and also bring the dust from the dust collector's hoppers and discharge the same into the piles.

A set of calculations have been developed to evaluate the per metric ton cost of unloading the pencil pitch from the new dock facility to the in-plant storage sheds.

The calculations take into account the few basic assumptions, which are listed below.

CASE #1 AND CASE II

- (1) Annual throughput of 100,000 M.T.P.Y.
- (2) Size of incoming vessel 5,000 M.T. Dwt.
- (3) Payback for the shipunloader, dock facility, and the new storage shed to be 10 years for Case #1 and 5 years for Case #II.
- (4) An outright purchase of the mobile ship unloader.

CASE III AND CASE IV

- (1) Annual throughput of 75,000 M.T.P.Y.
- (2) Size of incoming vessel 5,000 M.T. Dwt.
- (3) Payback for the ship unloader, dock facility and the new storage shed to be 10 years for Case III and 5 years for Case IV.
- (4) An outright purchase of the mobile ship unloader.

CASE V AND CASE VI

- (1) Annual throughput of 100,000 M.T. for Case V and 75,000 M.T. for Case VI.
- (2) Size of incoming vessel 5,000 M.T. Dwt.
- (3) Payback for the dock facility, mobile ship unloader, and the new storage facility to be 10 years.
- (4) A 24 month lease/purchase arrangement for the mobile ship unloader.

SUMMARY SHEET A

PNEUMATIC UNLOADING OPERATION

CASE NO.	INCOMING VESSEL METRIC TON	ANNUAL THROUGHPUT METRIC TON	PAY BACK IN YEARS	INTEREST RATES PER YEAR	# TOTAL * TERMINAL COST PER METRIC TON
I	5,000	100,000	10	6%	8.0
II	5,000	100,000	5	6%	11.15
III	5,000	75,000	10	<i>:</i> 6%	10.27
IV	5,000	75,000	5	6%	14.49

NOTE:

* THE TOTAL TERMINAL COST INCLUDES:-

- (1) Outright purchase of the ship unloader.
- (2) Operating cost of the ship unloader.
- (3) Installation of the ship pier, mooring dock, dolphins and bridge.
- (4) Installation of a new storage shed at the plant.
- (5) Installation of the pipe line from the unloader to the storage sheds.
- (6) Maintenance cost, including personnel and supervision.

Koppers009735

14	INUAL THROUGHPUT = 100,000		T	_ (2/	12	EI
	5 YEAR PAYBACK						
		<u> </u>	#	<u>C</u> e	S		· · · · · ·
4.	IN PLANT STORAGE & HANDLING						
	INVESTMENT COST			_	; , ,,		·
	* NEW STORAGE BUILDING (INSTALLED)		3	30	0	<u>o o</u>	
	* A RECLAIM FRONT END LOADER			35	0	0 0	
	* CONTROL ROOM + CONTROL ROOM EQUIP.			11	8	00	
	* TRANSPORTATION COST			5	Q	00	
	* RODDWAY & LIGHTING ETC.	_		14	0	dc	·
	* DUST COLLECTOR MOTOR DRIVE & STACK			7 7	0	٥٥	:
	* CONTINGENCY			13	5	00	
	SUB TOTAL INVESTMENT COST		5	66	3	00	
	INVESTMENT COST PERYENT (5 YEAR BACK)			13	2	60	
	INTEREST COST (AVERAGE 6 PER YEAR)		<u> </u>	33	-5-	78	
· 	TOTAL INVESTMENT COST		1	47	2	38	PERTEDR
·	Cost @ 100,000 M.T.P.J.			. ! .	7	_ 1	PERTON
5.	OPERATIONAL COST.			<u> </u>			
	* LEASE OF PROPERTY (APPROX. 22 Acac)		1 1	- 1	1	00	
· · · · · · · · · · · · · · · · · · ·	* PERSONNEL + SUPERVISION		1 . 1	ì	1 1	00	1
	* MAINTENANCE + ENERGY COST			20	0	00	<u></u>
	* ADMINISTRATIVE + MISC.		-	_	7-	00	
	TOTAL OPERATING COST			1	1	· •	Pealeon
	Cost @ 100,000 M.T.P.7			10	2	5	PERTON
					-		
	TOTAL TERMINAL COST PERTON		-				
9.01	2.82 + 1.68 + 3.93 + 1.472 + 1.25 = 11.15			-			
					-		
					-	-	<u> </u>
		ą i	1	ļ	•	' '	•

PHEUMATIC UNLOADING OPERATION ANNUAL THROUGHPUT = 75,000 M.T. CASE III

10 YEAR PAYBACK

SHIP SIZE

= 5,000 M.T. DWT.

SHIP UNLOADER = KOVAKO - M-130-D-4, ROAD MOBILE

SHIPUNLOADER, MAXCAPACITY 130MTP.

0.8 LITER FUEL PER TON.

ACTUAL CAPACITY = .65x130 = 85M.TP.H

STORAGE AREA = 75,000 TON. (COMBINED)

TYPE OF OUTPUT = BULK TRUCKS OR RAIL CAR.

PAYBACK = 10 YEARS.

1. SHIP UNLOADER

INVESTMENT COST.

* PRICE OF UNLOADER

* BOOSTER PUMP WITH COOLER

* TRANSPORT COST TO SITE

* INSTALLATION COST &

* COST OF PIPELINE TO THE STORAGE AREA.

SUBTOTAL INVESTMENT COST

· INVESTMENT COST PERYEAR (10 YR Pay Back)

· INTEREST COST (AVERAGE 6) PERYEAR)

TOTAL INVESTMENT COST.

COST @ 75,000 M.T.P.Y

华Cost

875,000

25000

8000

1000

176,000

1085000

108500

65100

173,600 PERYEAR

2.314 PERTON

PNEUMATIC UNLOADING OPERATIO	(N)
ENNUAL THROUGHPUT = 75,000 M.	Market Market 111
10 YEAR PAYBACK	\$C081
DPERATIONAL COST * OPERATORS COST (2x15x59x20x1.5) * FUEL COST (.22x1.35x75,000) * MAINTENANCE COST = 1800 x 12 RENTAL CRAME = 2000x12 RENTAL CRAME = 800 x 12 FUEL (.18 x 1.35 x 20] (75,000) MISC. MATL, TARP, POLYCLOTH, GLOVES. SUBTOTAL OPERATING COST COST @ (75,000 M.T.P.Y)	53100 22280 21600 24000 9600 3645 5000 139225Perjem 1.856 Perton
SHIP PIER BRIDGE & MOORING INVESTMENT COST * PIER & BRIDGE INCLUDING DESIGN * MOORING & BREASTING DOLPHINS * WALKWAY & LIGHTING SUBTOTAL INVESTMENT COST INVESTMENT COST PER YEAR (IDYR PAPBACK) INTEREST COST (AVERAGE 6% PERYR) TOTAL INVESTMENT COST COST @ 75,000 M.T.P.T ** BOATS DWT HEE ** DOOD = 15 5000 = 59 FOR EACH BOAT. WAGES = \$20/HR FLAT OVERTIME = 1.5 ** TOTAL WITHORDWIL = 75,000 TOM. DUST TO SCROPE FROM HOLL IS ESTIMATED TO BE 20%	890300 489500 132000 1,511,800 151,180 PERYEAR 90708 241888 PERYEAR 3.225, PERTON

PNEUMATIC UNLOADING OPERATION

ANNUAL THROUGHPUT = 75,000 M.T. - CASE II

LOYFAR PAYBACK

4

IN PLANT STORAGE & HANDLING

INVESTMENT COST

- * NEW STORAGE BUILDING (INSTALLED)
- * RECLOIM FRONT-END LOPDER
- * CONTROL ROOM+ CONTRL RM. EQUIP.
- * TRANSPORTATION COST
- * RODDWAY, LIGHTING ETC.
- * DUST COLLECTOR, MOTOR, DRIVE STACK
- * CONTINGENCY

SUBTOTAL INVESTMENT COST INVESTMENT COST PERYEAR (10 YEAR PAYBACK) INTEREST COST (AVERAGE 6 & PERYE) TOTAL INVESTMENT COST

Cost @ 75,000 M.T.P.Y.

5. OPERATIONAL COST

- * LEASE OF PROPERTY (APPROX. 27 ACRE)
- * PERSONNEL + SUPERVISION
- * MAINTENANCE + ENERGY COST
- * ADMINISTRATIVE + MISCELL.

TOTAL OPERATING COST (COST @ 75,000 M.T.P.Y)

TOTAL TERMINAL COST PER TON

2.314+1.856+3.225+1.208+1.667 = 10.27

The Cost

3,80,000

35,000

41,800

5,000

14000

77,000

13500

566300

56630

33978

90608 Penyean

1.208 PERTON

40,000

45,000

20000

20,000

125000 Penyear

1.667 PERTON

LEASE/PURCHASE ARRANGEMENT

FOR THE MOBIL SHIP UNLOADER

SUMMARY SHEET B PNEUMATIC UNLOADING OPERATION

CASE NO.	INCOMING VESSEL M.T.	ANNUAL THROUGHPUT M.T.	PAY BACK IN YEARS	INTEREST RATE PER YEAR	TOTAL TERMINAL * COST PER METRIC TON
IV	5,000	100,000	10	6%	
lst YR					10.98
2ND YR				;	10.98
3RD YR					7.42
4TH YR					6.54
5TH YR	AND THERE	E ON		•	6.54
<u>VI</u>	5,000	75,000	10	6%	·
1ST YR					14.26
2ND YR					14.26
3RD YR	٠.				9.51
4TH YR					8.33
5TH YR	AND THER	E ON	-		8.33

NOTE:

⁽¹⁾ The mobile ship unloader has been leased for a period of 24 months with a view to be purchased after 2 years.

PRESENT UNLOADING PRACTICE

USE OF CLAM-SHELL BUCKET TO UNLOAD PITCH

AT THE PORT OF PORTLAND

SUMMARY SHEET C

Following is the cost analysis of the Chinese pitch which arrived in the vessel "ARTEM" at the Port of Portland and was unloaded on Feb-26-92.

Total quantity of Pencil pitch unloaded = 5557M.T. *Pencil pitch discharged to the trucks = 544 M.T.

	\$ Cost	\$ Cost/ Metric Ton
<pre>(1) Discharge to trucks (544 M.T.) = (2) Labor required to sweep)</pre>	8,278	15.21
clean the vessel	2,350	0.42
(3) Labor to tarp the trucks =	1,926	0.35
(4) Truck Freight (Port to the plant) =		4.00
(5) Truck unloading at the plant =		2.00
Total	Cost	= \$21.98

THIS COST \$21.98/M.T. REFLECTS LOADING TRUCKS AT THE PORT OF DELIVERY TO THE PLANT STORAGE SHED.

NOTE: Following items are not included

- (1) Brokers Fee.
- (2) Draft displacement survey fee.

^{*} Copy of the invoice attached.



HALL-BUCK MARINE, INC.

P.O. BOX 35 **BURNSIDE, LOUISIANA 70738**

INVOICE NO. 92/1950

DATE

02/26/92

KOPPERS INDUSTRIES, INC. ATTN: W. W. TURNER 1601 KOPPERS BUILDING PITTSBURGH, PA 15219

TERMS: NET 30 DAYS. 1 1/2% INTEREST ON UNPAID BALANCE THEREAFTER.

CUSTOMER NO. REFERENCE 0083006 PORTLAND BULK TERMINAL COAL TAR PITCH M/V "ARTEM" COMMODITY: VESSEL: COMPLETED: 1000 HOURS ON 02/23/92 DISCHARGED TO TRUCKS DISCHARGED TO COVERED RAILCARS TONS: 5,012.700 TONS: 544.300 \$15.21 RATE: \$20.49 \$8,278.80 CHARGE \$102,710.22 CHARGE: ADDITIONAL CHARGES EXTRA LABOR REQUIRED TO SWEEP CLEAN VESSEL (KOPPERS REQUEST) FEBRUARY 22, 1992 HOLD #1 - 8 HOURS OVERTIME - 2 MEN AT \$587.70 PER MAN \$1,175.40 FEBRUARY 23, 1992 HOLD #1 - 8 HOURS OVERTIME - 2 MEN AT \$587.70 PER MAN \$1,175.40 EXTRA LABOR TO TARP TRUCKS FEBRUARY 21, 1992 DAY SHIFT -- 2 MEN AT \$428.23 PER MAN NIGHT SHIFT -- 2 MEN AT \$534.54 PER MAN \$856.46 \$1,069.08 TOTAL DUE THIS INVOICE\$115,265.36 ========== REMIT TO: HALL-BUCK MARINE, INC. P. O. BOX 54695 NEW ORLEANS, LA 70154

> MAR 2 1992

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IM	NATRO	T: CIRC	LE TERMS	ON INV	OICE	NET S		115,265	З ь	483	1 2	

SUMMARY SHEET D

Following is the cost analysis of the Chinese pitch which arrived in the vessel "GENERAL CABAL" at the Port of Portland and was unloaded on July-24-92.

Amount of Pencil pitch unloaded = 5196 metric ton *
Material discharged to trucks = 368 metric ton

			\$ Cost		\$ Cost/ Metric Ton
	Discharge to Trucks only (368 M.T.)	=	5,822		15.82
(2)	Labor required to sweep clean the				
	vessel.	=			
(3)	Labor to tarp the trucks	·=	897		2.44
(4)	Truck freight (Port to the plant)	= .			4.00
	Truck Unloading at the plannt	=			2.00
	Total Co	st		=	\$24.26

Total cost of unloading and delivery to the shed = \$24.76

NOTE:

(1) Labor required to sweep clean the vessel appears to be included in the rate applied for loading rail cars.

^{*} Copy of invoice attached.

HALL-BUCK MARINE INC. PORTLAND BULK TERMINAL INVOICE INFORMATION

TO:	MR. CLARKE WILLIAMS		METRIC TONS 1828 RAILCE 368 TRUCK
FROM:	K. PITRE	TOTAL =	5196 M.T.
RE:	VESSEL DISCHARGE		
CUSTON COMMO VESSEL: COMPLE	DITY: COAL TAR PITCH GENERAL CABAL		
RATE:	HARGED TO RAILCARS:		4,828.150 \$21.31 \$102,887.88
RATE:	HARGED TO TRUCKS: (5-82/Ton) HARGE:	*****	368.00 \$15.82 \$5,821.76
	NAL CHARGES: TRUCK TARPERS O MEN 08:00-17:00 = 8 HOURS @ \$895.92/S	HIFT =	\$895.92

TOTAL DUE THIS INVOICE:

\$103,605.56

SUMMARY SHEET E

The following cost analysis pertain to the delivery of Japanese pitch, which arrived in the vessel "M/V AGNES" at the Port of Portland and the unloading into truck was completed on Feb-27-92.

Total quantity of pencil pitch unloaded = 3207 metric ton *

	Š	Cost	\$ Cost/ Metric Ton
(1) Discharge to Trucks only (3207 M.T.)(2) Labor to tarp the trucks(3) Truck freight (Port to the plant)(4) Truck unloading at the plant	= 4	18,778 8,662 	15.21 2.70 4.00 2.00
Total	Cost	; = _.	\$23.91

Total cost of unloading and delivery to the shed = \$23.91

NOTE: Following items are not included.

- (1) Brokers fee.
- (2) Processing custom entry.
- (3) Port usage fee.
- (4) Draft-displacement survey fee.

^{*} Copy of invoice attached.



HALL-BUCK MARINE, INC.

P.O. BOX 35 **BURNSIDE, LOUISIANA 70738**

INVOICE NO. 92/1975

DATE

02/28/92

KOPPERS INDUSTRIES, INC. ATTN: W. W. TURNER 1601 KOPPERS BUILDING PITTSBURGH, PA 15219

TERMS: NET 30 DAYS. 1 1/2% INTEREST ON UNPAID BALANCE THEREAFTER.

CUSTOMER NO. REFERENCE 0083006 PORTLAND BULK TERMINAL Japanese Pitch COAL TAR PITCH M/V "AGNES" COMMODITY: VESSEL: COMPLETED: 1500 HOURS ON 2/27/92 . DISCHARGED TO TRUCKS DISCHARGED TO COVERED RAILCARS -----TONS: 3,207,000 TONS: 0.000 RATE: \$15.21 RATE: \$0.00 --------CHARGE: \$43,778.47 CHARGE \$0.00 ADDITIONAL CHARGES EXTRA LABOR HIRED TO TARP TRUCKS 2/25/92 4 TARPERS - 1800-0300 = 8 HRS AT \$534.54 PER MAN. PER SHIFT \$2,138.16 2/26/92 4 TARPERS - 0300-0800 = 5 HRS AT \$387.24 PER MAN, PER SHIFT \$1,548.96 4 TARPERS - 0800-1700 = 8 HRS AT \$428.23 PER MAN, PER SHIFT \$1,712.92 2/27/92 4 TARPERS - 0300-0800 = 5 HRS AT \$387.24 PER MAN, PER SHIFT \$1,548.96 4 TARPERS - 0800-1700 = 8 HRS AT \$428.23 PER MAN, PER SHIFT \$1,712.92

TOTAL DUE THIS INVOICE \$57,440.39

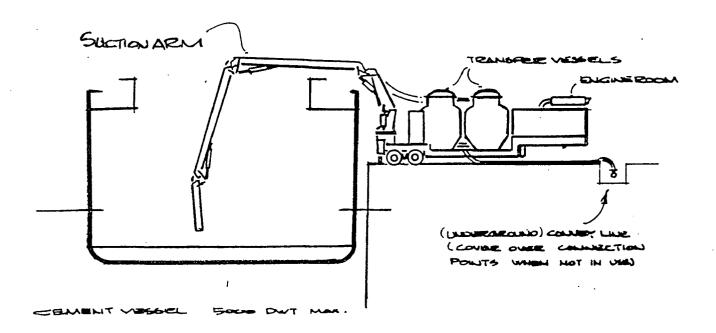
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REMIT TO: HALL-BUCK MARINE, INC. P. O. BOX 54695 NEW ORLEANS, LA 70154

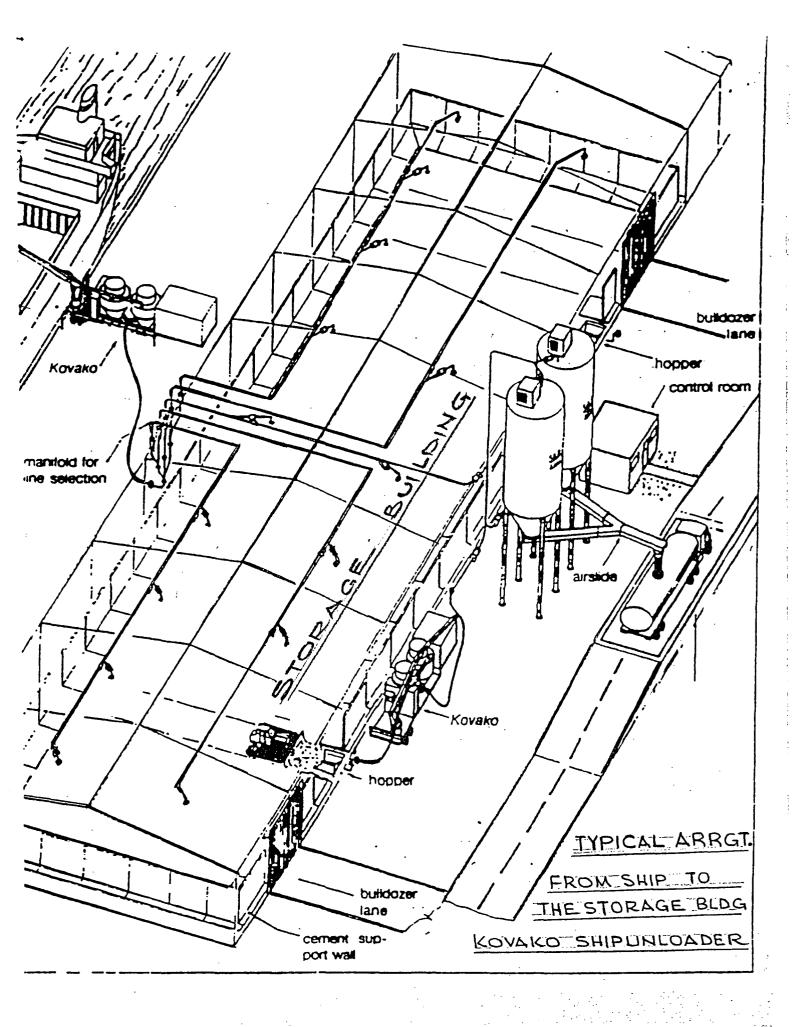
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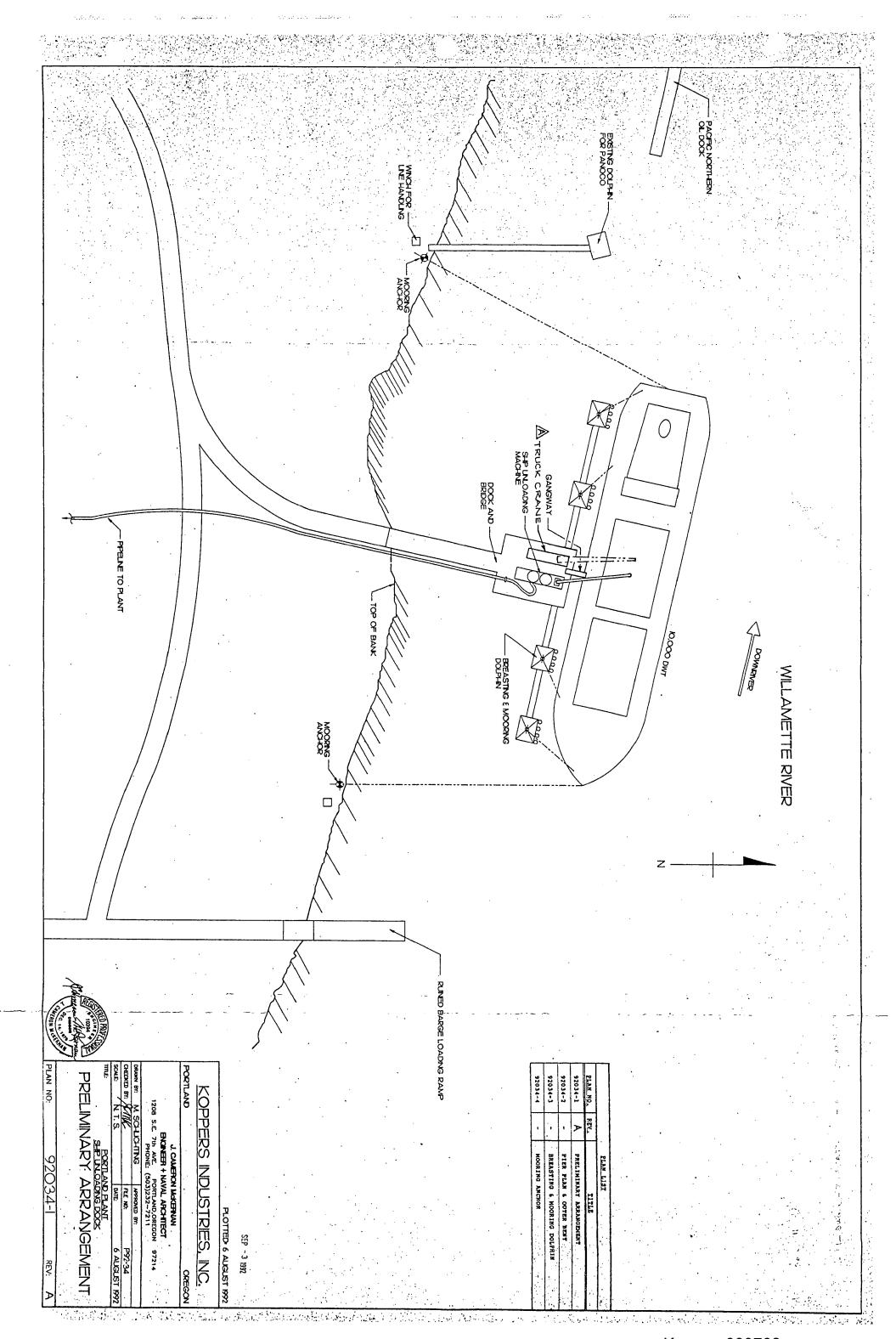
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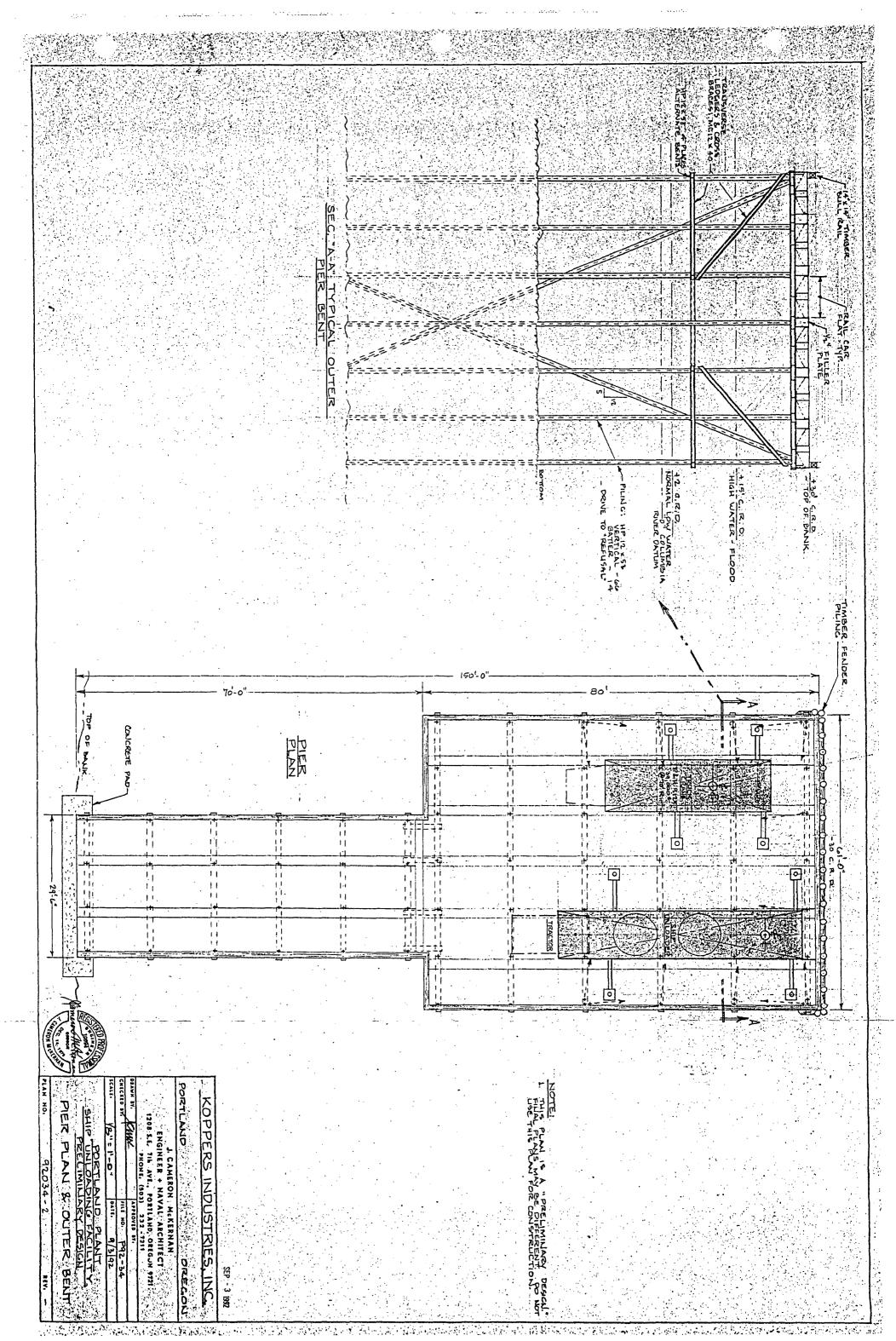
130 T/H SHIPUNLOADER M-130-D-4

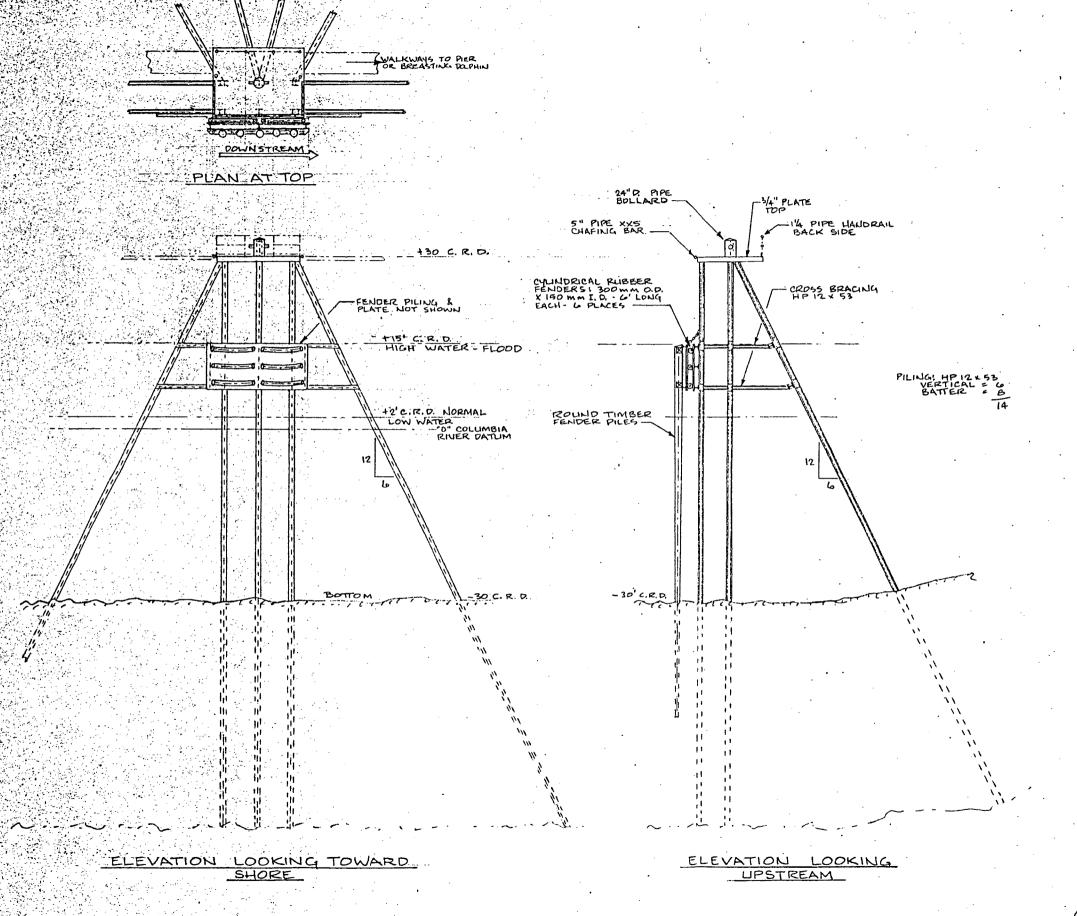


KOVAKO









NOTE:

1. THIS PLAN IS A "PRELIMINARY DESIGN."
FINAL PLANS MAY BE DIFFERENT, DO NOT USE THIS PLAN FOR CONSTRUCTION.

SEP - 3 199

KOPPERS INDUSTRIES, INC

PORTLAND

J. CAMERON McKERNAN ENGINEER + NAVAL ARCHITECT

1208 S.E. 716 AVE., PORTLAND, OREGON 97214

PHONE, (503) - 232-7211

Fr. | APPROVED BY:

DEAM SY.

CHECKED BY.

SCALE.

VB"=1-0".

PATE. 95 92

PORTLAND PLANT

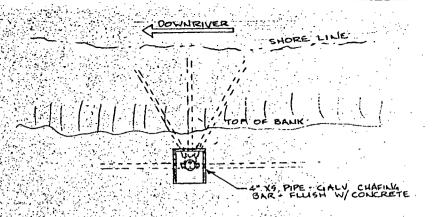
SHIP UNLOADING FACILITY

PRELIMINARY DESIGN

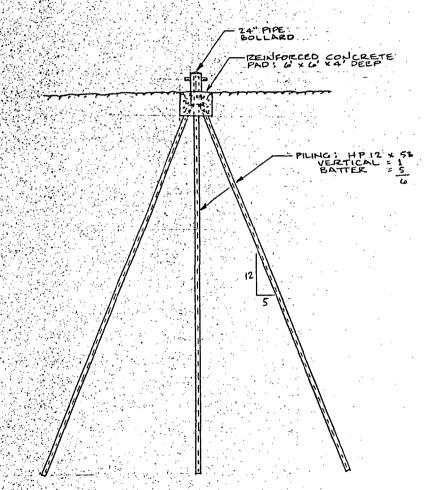
BREASTING & MOORING TOLPHIN

PLAN NO. 92034--3 REV. -

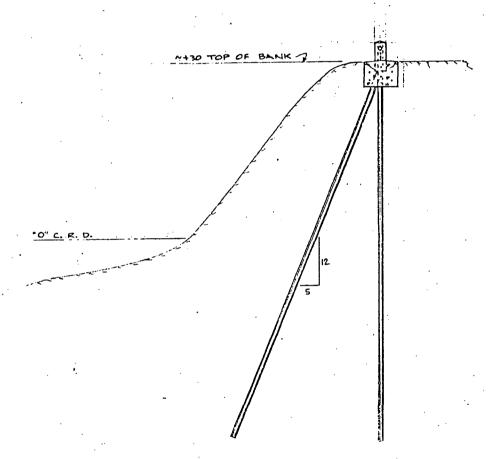




PLAN.



SECTION LOOKING TOWARD RIVER



SECTION LOOKING UPSTREAM (EARTH REMOVED)

SEP - 3 1992

KOPPERS INDUSTRIES, INC. PORTLAND J. CAMERON MEKERNAN ENGINEER + NAVAL ARCHITECT 1208 S.E. 716 AVE. PORTLAND, OREGUN 9721; PHONE: (503) 232-7211 MOORING ANCHOR

92034-4



INTEROFFICE CORRESPONDENCE

To:

W. A. Meisinger

From:

Sayeed Sultan

Location:

K - 2050

Location:

K-2050

Subject:

PROJECT STUDY FOR A SHIP

Date:

October 14, 1992

UNLOADING DOCK, AND BRIDGE AT THE WILLEMETTEE RIVER, PORTLAND, INCLUDING A MOBILE SHIP UNLOADER

The attached study outlines a detail analysis of cost per ton of unloading pencil pitch at a new dock facility furnished at the Willemettee river, which flows not too far away behind the plant fence line.

This in-depth study focuses on the following three major items which are as follows:

- (1) Outright purchase of a 130 metric ton capacity Fuller-Kovako ship unloader.
- (2) Lease/purchase arrangement with Fuller-Kovako for a 130 metric ton capacity unloader.
- (3) Present unloading practice at the Port of Portland.

It is a known fact that pencil pitch when unloaded by a clamshell bucket is very prone to dust dispersion as the bucket emerges from the hold of the ship and then swings towards the storage silo to discharge the material into it.

Environmentally it has become a very unsuitable method for withdrawing the pencil pitch from the vessels. (See attached letter).

Northwest Environmental Advocates are doing their best to advertise Koppers Indus, Inc. as one of the toxic polluter of the Columbia river system in the Greater Portland area. This kind of publicity is very detrimental to our business.

A pneumatic unloading method, combined with a private dock facility, appears to be the best approach for handling the pencil pitch, which will continue to arrive in 5,000 Dwt. or 10,000 Dwt. vessels from China, Japan or Korea.

This study includes a very inexpensive design of a dock having a bridge, connected to the main land. The pier is designed to support a mobile ship unloader and a crane. A cost estimate for its design and installation is included herewith.

Discussions with Fuller-Kovako, regarding a 130 metric ton mobile ship unloader have been more than satisfactory. Fuller-Kovako are very receptive to Koppers offer for a lease/purchase arrangement for the ship unloader, with a stipulated working time of 24 months. (letter attached). This alternative is very attractive, as it does not let us burdened with the outright purchase of such an expensive unit.

It will be very prudent on our part to get started with this project of new dock facility as soon as possible, so that by mid 1993 we are free from the unloading problem at the Port of Portland, longshoremen and the ever present trucking problem of pencil pitch through the city streets, before it reaches the plant site.

If there are any questions, please give me a call.

Sayeed Sultan

SS:kas

Attachment

cc: L. F. Flaherty

W. W. Turner

K. J. Fitzgerald

J. L. Schaum

A. Kamerer

J. Oxford

W. F. Plovic

J. Calfe



FULLER-KOVAKO CORPORATION 2158 Avenue C, LVIP Bethlehem, PA 18017-2188

A member of the F.L.Smidth-Fuller Engineering Group

TO:

Mr. Sayeed Sultan

COMPANY: FAX NO: Koppers Industries, Inc.

10:

412-227-2841

FROM:

FS Wuertele

TELE: FAX: (215) 264-6801 (215) 264-6735

HOME:

(215) 865-1850

DATE:

1 October 1992

SUBJECT:

Pneumatic Ship Unloader for Coal Tar Pitch

Dear Mr. Sultan,

In response to your request for financing alternatives for Fuller Kovako ship unloading equipment, we are able to offer the following:

Lease/Purchase Option -

Assuming an equipment price of \$875,000 and a 10% interest rate, a twelve month lease/purchase will require monthly payments of \$70,000 with a 10% buy out payment at the end. A 24 month lease/purchase will require monthly payments of \$37,000 with a 10% buy out payment at the end of the program.

Contract Rental (with or without crew) Through one of our associated companies, a rental or unloading tonnage
contract could be structured. The minimum contract length is flexible but
usually at least one year duration. This option is available for our standard
road mobile units, such as the RM-130-D.

I hope this information will help with your evaluation. In the meantime, if you have further questions, please contact Jim Borneman or myself. We appreciate your consideration of our equipment and look forward to working with you on this project.

Sincerely,

FULLER-KOVAKO CORPORATION

Fred S. Wuertele Market Manager

Pneumatic Conveying

CC:

Jim Borneman Ad Ligthart

Bill Poulsen

O Pages Follow

fsuf2028.731



June 24, 1992

URGENT

Attn: Mr. John Oxford, Plant Manager Koppers Co. 285-2831

Dear Mr. Oxford,

An organization called Northwest Environmental Advocates has recently published and are distributing a map entitled "Portland/Vancouver TOXIC WATERS". This map identifies 152 companies/sites which it implies are toxic polluters of the Willamette and Columbia river systems in the Greater Portland area.

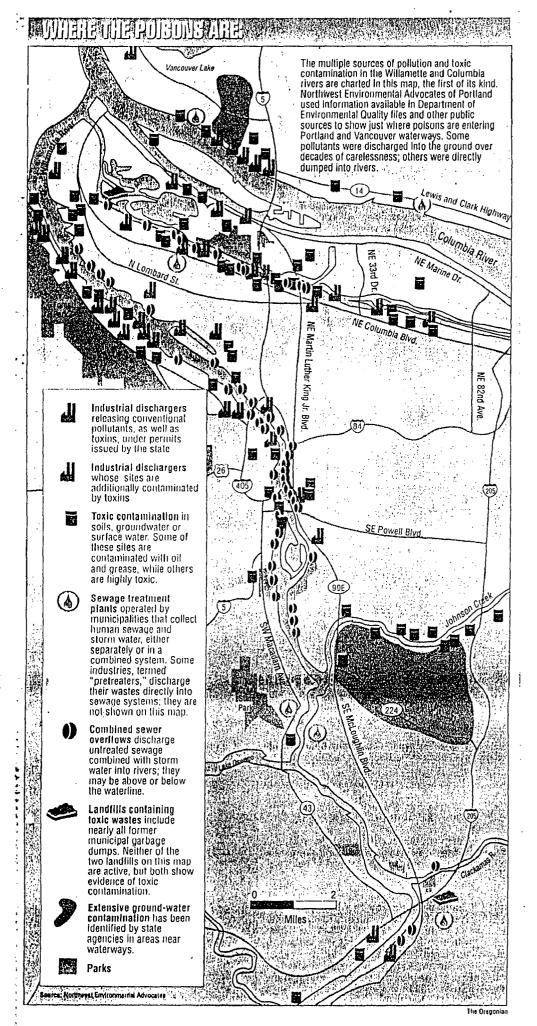
We are one of the companies on the list. We consider the information and general presentation of the map to be very misleading and damaging to our company. We believe that Northwest Environmental Advocates has defamed our company and we are considering what legal or other actions we will take.

Your company also appears on the list. If you are interested in some joint action, we encourage your immediate response.

You may contact Mr. Gregory Malarkey at (503) 283-1191 (Fax 503-289-7644) during normal business hours. We urge your prompt response as we will hopefully be moving forward in the next 24 hours to limit the damages done to our company.

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Group spots toxic waters

map Tuesday of the worst pollution spots in rivers in the Portland metropolitan area

By PAUL KOBERSTEIN

of The Oregonian staff

For most of this century, the Lower Willamette River from Oregon City through Portland was a sewer of industrial poisons and municipal waste.

The state posted it unsafe for drinking and swimming. And as unhealthy as the Willamette's

water was for humans, it was sometimes fatal for

An intensive cleanup in the 1960s and 1970s brought down the warning signs. Water-skiers and swimmers came out to play, and healthy salmon runs returned. State officials ballyhooed the cleanup as a momentous environmental achievement.

On Tuesday, a local environmental group gave the public reason to reconsider whether the Wil-

Please turn to TOXIC, Page C7

Toxic: Map claims) discriminates

■Continued from Page C1

lamette truly has been cleaned up.
Northwest Environmental Advocates of Portland published "Toxic Waters," a poster-size map and encyclopedia of the worst sources of pollution in waters in and around Port-land and Vancouver, Wash.

The publication is the first comprehensive map of toxic spots in local rivers. At a glance, any swimmer, boater or angler can locate where the poisons are in the Willamette, Columbia and Tualatin rivers and in the Columbia Slough and

Johnson Creek.
Researchers dredged the information from files at the DEQ, the U.S. Environmental Protection Agency, the city of Portland and several other public agencies.

Dozens of polluters dump hazard-ous material into the Willamette and other local rivers every day. Most of it arrives legally, under permits issued to polluters by the Oregon Department of Environmental Quality. Sometimes, those polluters violate their permits by discharging too much pollution.

This arrives in the river on top of vast quantities of poisons dumped over the years. The map charts the location of these known toxic sites and, on the back, provides a limited history of discharges, regulatory enforcement and cleanup.

The \$3 map, produced with grants from KGW(8) and Soloflex Inc., draws attention to 152 pollution sources and 55 places where raw sewage enters the river with storm runoff

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Northwest Environmental Advocates was formed in 1969 as the Coalition for Safe Power. In its early years, it fought the Trojan Nuclear Plant and the Hanford Nuclear Reservation. It changed its name in 1989 to reflect its emphasis on education, research and litigation on a variety of issues.

Executive director Nina Bell hopes the map will dispel the myth-that the Willamette, or any other local body of water, is entirely clean.

"It's amazing to us how many people think the Willamette River has been cleaned up," she said. "We have a long way to go to show that the Willamette is still a mess.

But the map also provides the group a podium for criticizing the state's lead environmental agency, the DEQ

'The DEQ has taken the approach of being as hands-off as it possibly can," Bell said. "As a result, we don't know much about the Willamette River and the different sources who dump into it."

DEQ officials challenge the criticism. The agency is conducting major studies of pollution in the Willamette and Columbia but is restricted by state spending limitations, they say.

Removal of toxic wastes is expensive, says agency spokeswoman Carolyn Young, and the price is far

beyond the DEQ's budget. In fact, cleanups are usually the responsibility of landowners.

Young said that while the map is: not perfect, it is "a good informa-tional tool. I'm sure they got the information right out of our files. It is unique."

But she did find fault on a point of fairness.

The map's harshest display is reserved for the Columbia Slough, a stagnant channel that runs along the Columbia's south shore. It says; 215 toxic industries, 21 industries and innumerable stormdrains fill the slough with dioxin, polychlorinated byphenyls (PCBs), heavy met-

als and pesticides.

That much, Young says, is accurate. But Toxic Waters adds an editorial comment charging the DEQ and the city of Portland with racism.

The slough receives little! government attention because it is used for fishing and swimming! mostly by people of color," the map,

says.
Young said cleaning up the slough is expensive and not a high, DEQ priority. Two programs are in place to improve its water although. an overall cleanup is ruled out because of the cost.

"If the slough were in any other location in Oregon it would receive! the same amount of attention," the

DEQ spokeswoman said.

Bell was 'doubtful. "I don't think we would tolerate an open sewer in Lake Oswego," she said. "People and kids in the housing projects swim there, and a tremendous amount of people fish there. They might as well call it the Columbia Sewer and be done with it."

While the map notes sources of ' pollution, it does not tell the reader. where the pollution has gone. Swimmers can see how far away they are from pollution sources but not how much pollution may be in the water bathing their bodies.

Toxic Waters suggests the DEQ has been negligent in recent years for withholding data that might have assisted swimmers and fishers. It cites the highly contaminated McCormick & Baxter Co. wood treatment plant north of Swan Island as an example.

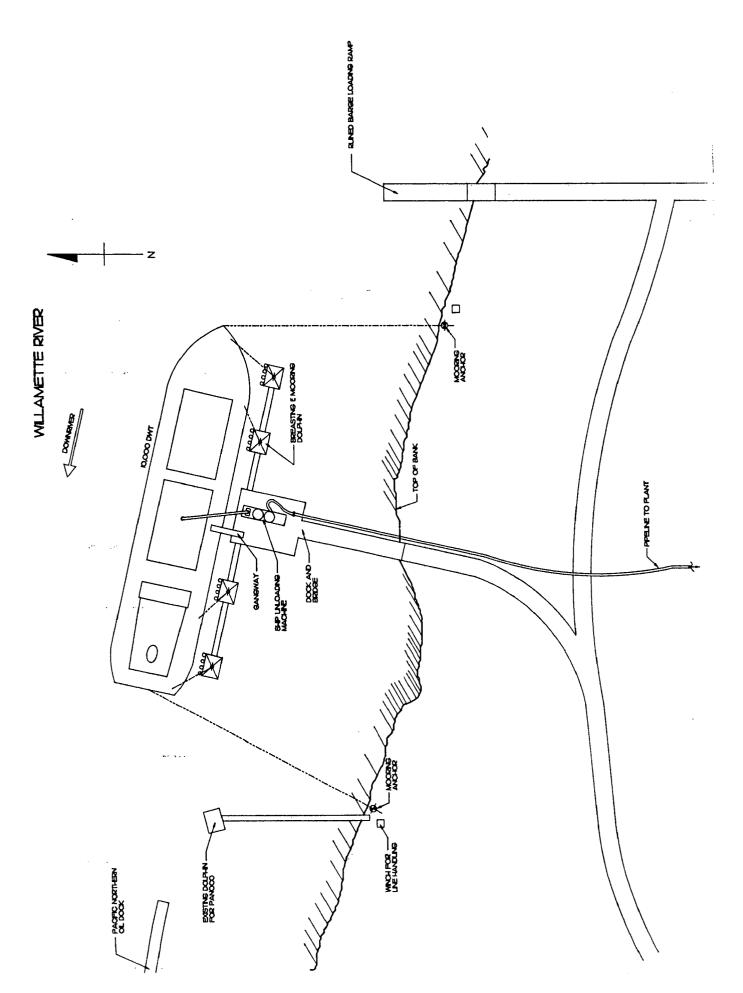
The map says the DEQ knew in 1987 that crayfish near the site were contaminated with dioxin but did not post the site as unsafe for swimming until 1991, after two boys wading in contaminated sediments suffered chemical burns to their legs.

"They sit on everything over there," Bell said. "It's put in a box someplace.'

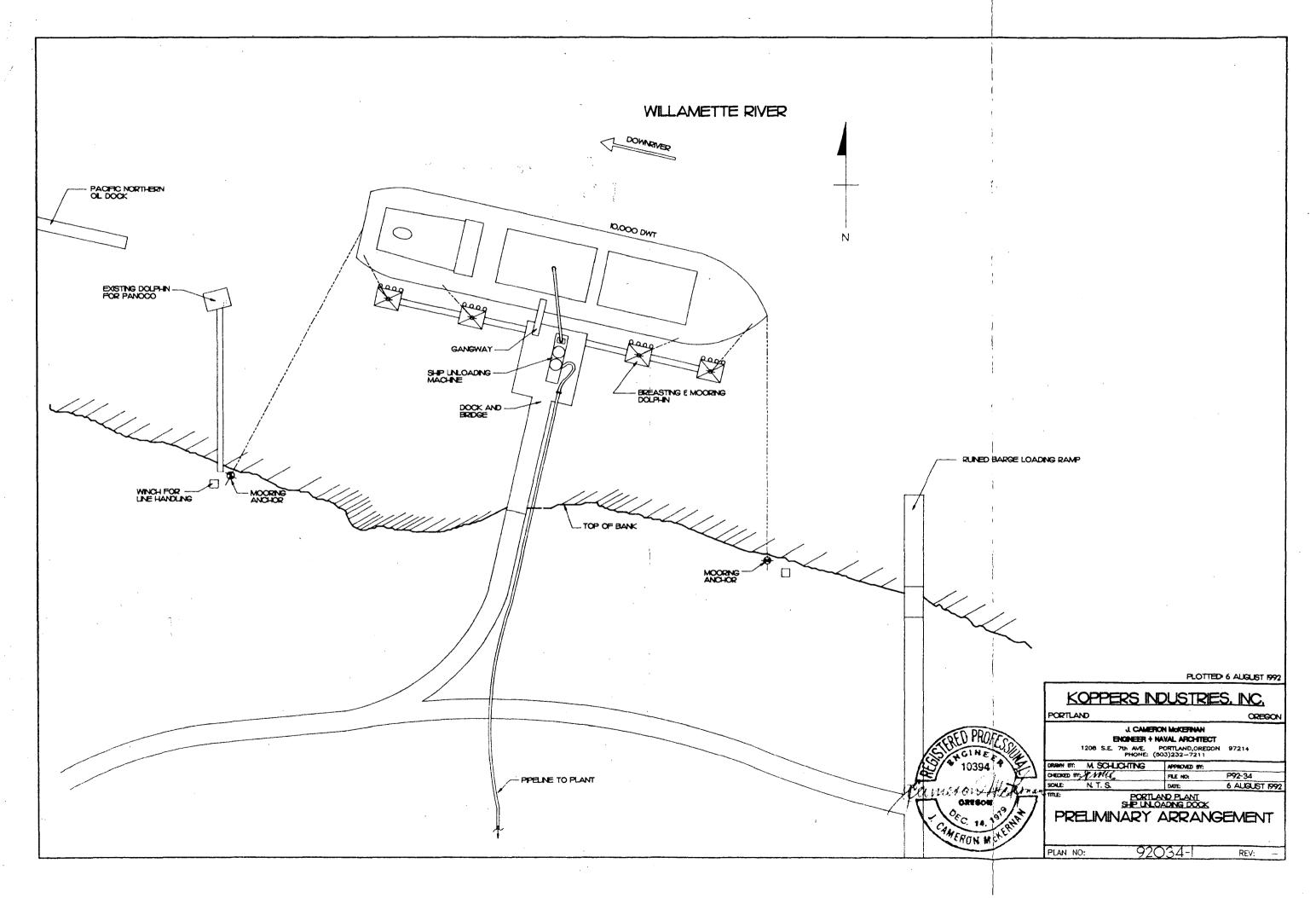
But Young said the DEQ did not act until the agency understood the source of the contamination.

"When we first saw that data in 1987, it didn't mean a whole lot," Young said. The site has since been abandoned, and the DEQ has

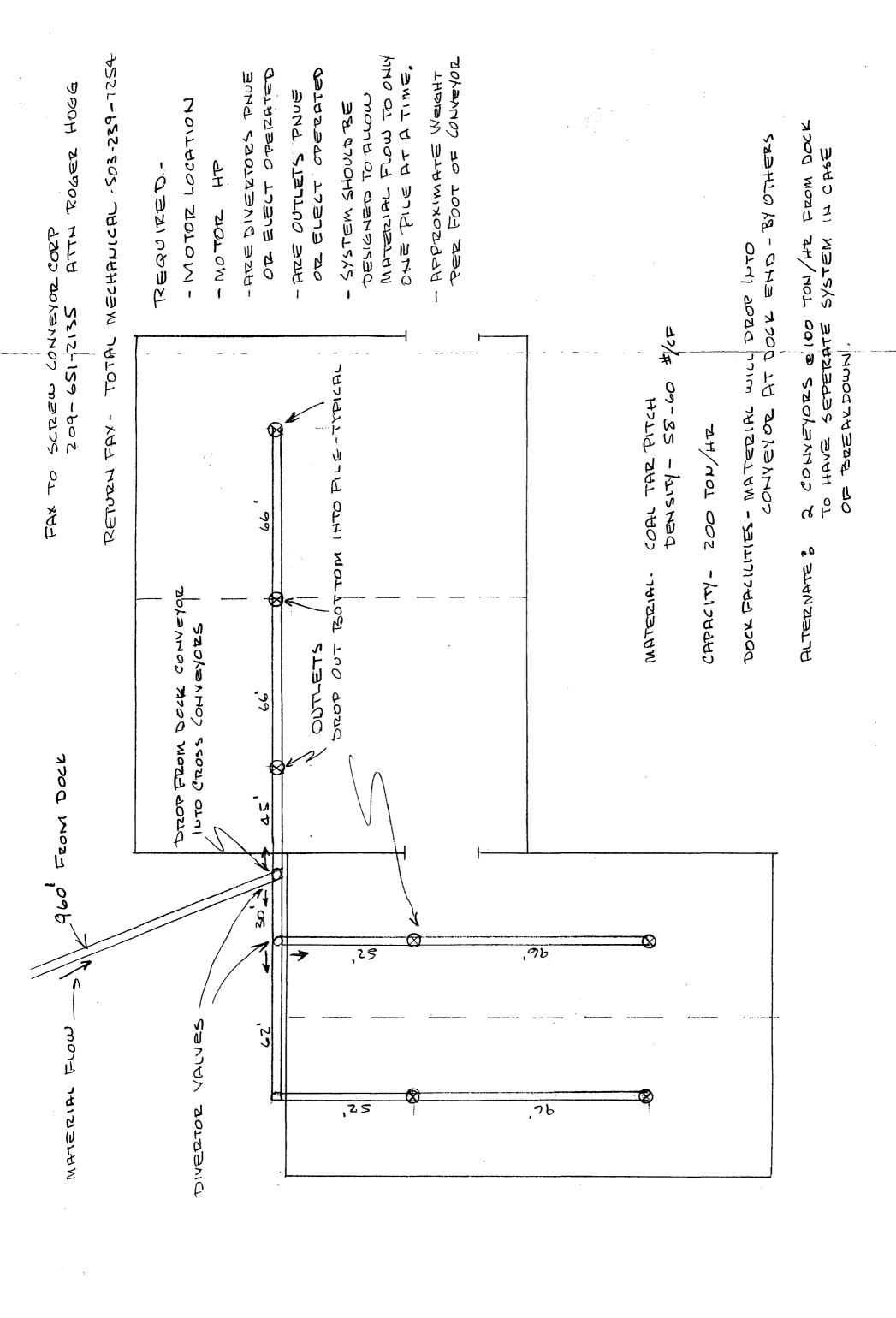
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OIL DOCK EXISTING ALL POLICE FOR PANOCO WINCH FOR SAN PIPE LIVE RUINE KOPPERS INDUSTRIES



OIL DOCK EXISTING A DOLPHIN A FOIR PANOCO LINE HANDLING BARGE RAMA Author: AMOS KAMERER at PITT Date: 4/3/98 11:30 AM

Priority: Normal

TO: JIM DIETZ at TECHCTR CC: Kevin Fitzgerald at PITT Subject: Melter loading

----- Message Contents -----

Many times over the last couple of years we have over loaded the melter with pencils. In other words, the mound of pencils in the melter rises to the top of the loading chute and you can't put any more in. This condition also shuts down the conveyor system, full of pencils, which can be a pain in the butt. We now know that we have to be aware of this, and we check it regularly during loadings.

However, this just happened again, on the last batch that we loaded, so I wanted to review this situation with you. The info on this loading is as follows:

Liquid pitch in the melter at the start was 1233 tons @ 390 F We started loading Thur.@ 8:50PM,finished @ 11:30PM and added 196 tons Next loading was Fri.@ 8:10AM, finished @ 1:50PM and added 506 tons

" " Sat.@ 7:20AM, " 3:15PM " " 603 " " Sun.@ 4:50PM, " 11:00PM " " 387 "

Total loaded into the melter was 1692 tons of pencils. Total in the melter after the loading was 3014 tons, including one Reilly car.

The hot oil system was running at all times while loading the melter.

The Sunday PM crew had to push the pencils to the sides, with a shovel, to get it to fall into the tank so that they could clear the conveyor. Also, they stopped short, by 2 buckets, of what was scheduled to be loaded, as a result of this situation. Plus, as you can see, their production rate was the slowest of the four loadings.

This was a larger than normal loading, however, it was done over 4 days, and we still had the problem. In the past when this happened, we were loading smaller amounts, say 1400 tons, over a shorter period of time, say 48 hours or so. Also, thinking about batch sizes, as soon as we can get Alcoa, Wenatchee switched over to melter pitch, we will need to be producing 1500 ton batches each week, not that much smaller than this one. And, I realize that this problem will go away when we have just the Koreans supplying us with liquid.

However, after all of the above babble, what I want to ask you, is there some way we could add a spreader at the opening to the melter? Something that doesn't cost an arm and a leg? Something that would disperse the pencil pitch out over a larger area in the tank, and not mound up?

If we ever have some kind of a major breakdown, for say 3 or 4 days with out any production, I can see a need that we would have to do a quick melter loading, say in 24 to 36 hours, and depending on how large of a batch that is needed to be made, this problem could limit what we would be able to do. Any thoughts?

Amos

Floor of tank to bottom of discharge chute is 42'1"

FAX COVER SHEET

Rellly Industries Inc. Port of Longview 10 Port Way, Whse 22 Longview, WA. 98632

360/636/8368 360/423/9321

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FROM : KOPPERS INDUSTRIES, INC.

Kamerer Amos

From:

Kamerer Amos

Sent:

Thursday, September 20, 2001 11:23 AM

To:

Cilley Mark

Subject:

Pitch and Asphalt Volume's

Mark,

First, for pitch, our throughput of pitch for this year will be approx. 16,750 tons.

On the asphalt, see the attached, which covers one year, starting in Nov. 2001 and ending in Oct. 2002. Figure that all of the volume will come in via tank car and go into T-200, there are 41 flanges in this movement. Then figure it all will go to T-68 and there are 65 flanges in that movement. Then finally, it all will go from T-68 to the truck load out platform and there are 35 flanges in that movement.

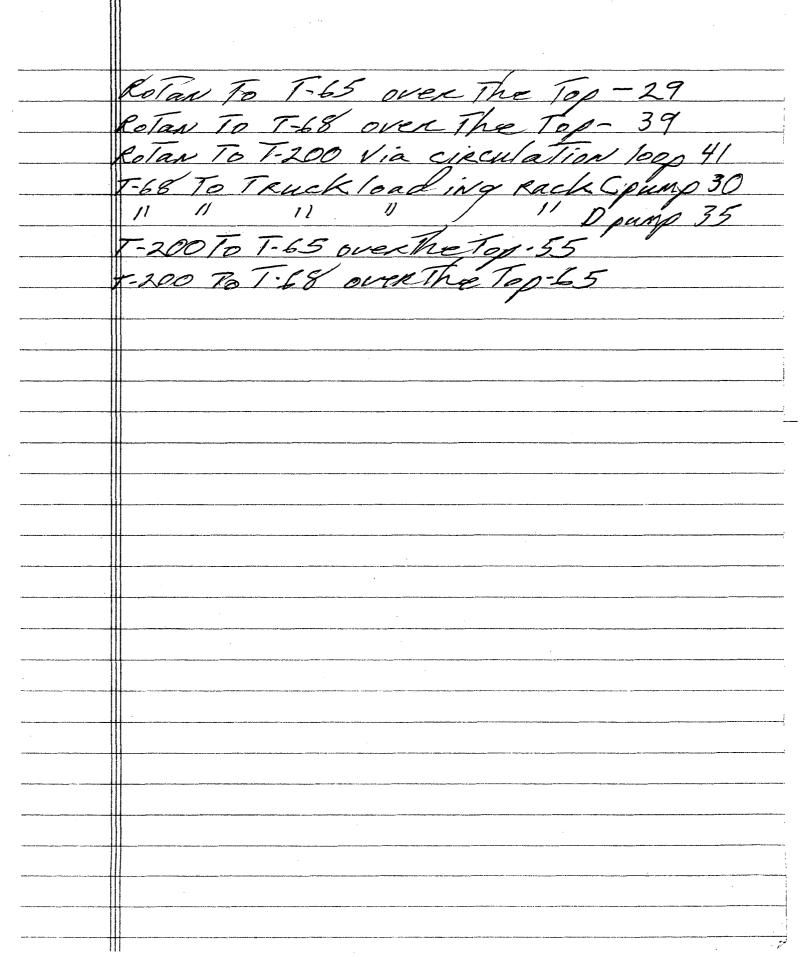


PacRock Volume · 2 PR.xis

Talk to you later.

Amos Kamerer Phone # 503-286-3681 Fax # 503-285-2831

E-mail: Kamereras@koppers.com



8/27/01

KOPPERS

7540 N.W. St. Helens Re Portland, Oregon 97210 Phone: (503) 286-3681

Fax: (503) 285-2831

E-mail: amos_kamerer@koppers.com

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AMOS S. KAMERER

KOPPERS

7540 N.W. St. Helens Rd Portland, Oregon 97210 Phone: (503) 286-3681 Fax: (503) 285-2831

E-mail: amos_kamerer@koppers.com

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AMOS S. KAMERER

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KOPPERS
7540 N.W. St. Helens Rd.
Portland, Oregon 97210
Phone: (503) 286-3681
Fax: (503) 285-2831
E-mail: amos_kamerer@koppers.com

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AMOS S. KAMERER

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GUIDE 31 ERG93

KOPPERS INDUSTRIES

Proper Shipping Name: OTHER REGULATED SUBSTANCES, LIOUID, N.O.S.

Technical Names:

CARBON PITCH HARD PENCIL

UN/UA ID No.:

NA3077

Emergency Contact: Chemtrec

Telephone: 1-800-424-9300

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these materials may burn, but none of them ignites readily. Material may be transported hot.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Inhalation of asbestos dust may have a damaging effect on the lungs.

Fire may produce initating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.

Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters protective clothing will provide limited protection.

CALL Emergency Response Telephone Number on shipping paper first. If shipping paper is not available or no answer, CALL CHEMTREC AT

1-800-424-9300

If water pollution occurs, notify the proper authorities.

FIRE

SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

LARGE FIRES: Water spray, fog or regular foam.

Move container from fire area if you can do it without risk.

TRANSMIT REPORT

1998,10-26 17:44

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GUIDE 31

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KOPPERS

INDUSTRIES

Proper Shipping Name: OTHER REGULATED SUBSTANCES, LIOUID, N.O.S.

Technical Names:

CARBON PITCH HARD PENCIL

UN/NA ID No.:

NA3077

Emergency Contract: Chemtrec

Telephone: 1-800-424-9300

FIRST AID

In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.

KOPPERS

Koppers Company, Inc. Organic Materials Group

SPECIAL MAINTENANCE REQUEST

DEPARTMENT & LOCATION	REQUESTED BY	DATE	REQUEST NO.				
TAR-NORTHWEST PLANT	JOHN OXFORD	8-29-90					
TITLE	APPROVED BY	AMOUNT OF REQUEST					
RAIL TRACK UPGRADES		\$6,500.00					
SPECIFICATION & DESCRIPTION							
1.) REPLACE OBSOLETE, BROKEN CAR STOP ON TRACK #3 WITH RAILROAD APPROVED							
WHEEL STOPS.							
	2.) UPGRADE TRACK #5 BY BRINGING 138 FT OF TRACK BACK INTO GAUGE SPECIFIED						
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ESTIMATE: BY JOHN A OXFORD APPROVAL:	CAPITALIZE						
COSTS - CASH EXPENDITURE (1) 6,500.00	OTHER						
TRADE IN OR SALVAGE (2)							
AMOUNT OF REQUEST (1) + (2) 6,500.00	INVESTMENT & GROWTH: APPROVAL	:					
DEPRECIATION: STANDARD	FUNDS: PROGRAMMED	-					
OTHER	AUTHORIZED TO DATE						
,	BALANCE						
EQUIPMENT: NEWUSEDAGE							
FOR USE ON: OWNEDOR LEASEDPROPERTY	DISTRIBUTION: DATE						
	CONTROLLER (ORIG)	PLANT					
EARNINGS OR COST (5 YRS. AVERAGE)	FINANCE (STAFF)	INVESTMENT					
NET INCOME AFTER TAXES	ENGINEERING	OTHER					
% RETURN ON GROSS INVESTMENT	(PDA) ATTACHED						
% RETURN ON NET INVESTMENT	The state of the s						
ADDED WORKING CAPITAL REQ'D. IF ANY	FOLLOW UP						
ADDED WORKING CAPITAL REG D. IF ANT							
	CLOSED	···					
RETIREMENTS (PDA) ATTACHED	AMOUNT SPENT						
TOTAL ORIGINAL VALUE	(UNDER-RUN) OR OVER-RUN						
YEARS ACQUIRED	RATIFIED						
TOTAL BOOK VALUE	AUDIT DATE, IF REQUIRED						
PDA NO'S.							
	RECOMMENDATION FOR APPROVAL OF	F REQUIRED)					
CONSTRUCTION BY:	MARKETINGGRO	OUP MGR					
EST. SCHEDULE OF EXPENSE	•						
EST. START UP DATE	PROCUREMENTPRO	DUCTION MGR					
EST. CLOSE TO PROPERTY							
REFERRAL TO INSURANCE	PLANNINGOT	HER					

KOPPERS

CAPITAL EXPENDITURE REQUEST

Koppers Compa Organic Material								Request No.		
Division Ta	v		Location	21.	W.	Plan	t	Request Date	61	8 190
Request Initiated By	John a	O Hora	0	Approved By				•		
Title Rail Track upgrades										
Amount of Request \$		Depreciation Life	Y E	stimated Life	Y	Approval Date	MO.	19 Year		47.4
Class of See Expenditure Reverse		Depreciation Acct, No.	31				<u> </u>	TEAR		
Specification & Descript	ion: 1 Parla		lete	broke	i	Son- 1	top	on to	och	#3
	with	Railro	of as	epro	ref	wh	reel	stop	4	
Specification & Description: 1. Replace obselete, broken can stop on track #3 with Railroad approved wheel stops 2. upgrade track # & by bringing 138 ft of track back into gauge specified by BNRR.										
Summer of traditionals	. upgrad	e troch t	4 4 ly	repl	aci	ing to	مرمن	plete	ing 1	ous,
Summary of Justificatio	n: Expendi			. •				^	11	
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ENGINEERING:	By y u	Chora	Approva	i				cpenditure n or Salvag		6,000.
ESTIMATE:	By a i	Hord	Approva	l				Request		6000,
Type of Building	% Equipment	% Land	% Type of Equipme		Used	Age	Fo	or Use Own On Prop		Leased Property
EARNINGS OR CO	ST:	Division Income	e Before Int	erest & Ta	xes					
(5 Yrs. Average)		% Return On N	et Investme	nt					······	
Added Working Capital Required If Any										
RETIREMENTS:	Total Origin	nal Value		cons	STRUC	TION BY:	Est. Sch	edule of E	xpense _	
in Day Attached	Years Acqu	ired		_			Est. Sta	rt-Up Date	-	·
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APPROVAL:	Production M	-			•					DATE
	Capital Plann Environment				-					DATE
		-				•				DATE
	Engineering Division Con									DATE
	Group Contr									DATE
	Other	UIIEI					•			DATE
T-405-Pey 4 5M 7-80										



PACIFIC TERMINAL SERVICES, INC.

5211 122nd St SE, Everett, WA 98208 206-979-3918 FAX 425-337-1359 kbuffum@harlevmarine.com

August 20, 2007

T.J. Turner Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

Greetings Mr. Turner:

This is with reference to the Dock Services Agreement between Pacific Terminal Services, Inc. and Koppers Industries, Inc., dated December 15, 1999.

Pacific Terminal Services has held rates constant since August 2005. However, due to increasing labor rates, insurance rates, and regulatory fees, it is necessary to raise our rates for the Dock Services Agreement. Our labor increase has been 3% each year. Therefore, per paragraph 3.b rates effective December 15, 2007 will be increased 6%.

Notwithstanding anything to the contrary contained in the Dock Services Agreement, it is hereby understood and agreed that this agreement is hereby amended, effective December 15, 2007, as follows: Page 2, Paragraph 3.a.:

- 1. Service rate changed from Sixty-three dollars and 72/100 (\$63.72) per hour to Sixty-seven and 54/100 (\$67.54) per hour.
- 2. Fixed fee per vessel for the oil spill boom changed from Seven Hundred Eight dollars and 00/100 (\$708.00) to Seven Hundred Fifty dollars (\$750.00).

The response contractor fee will change from \$0.0625 per barrel to \$0.0663 per barrel of pitch received through the dock line.

Please indicate your acceptance of and agreement to the foregoing by signing and returning both originals of this Amendment. A fully executed copy will be returned for your files.

Kevin Buffum General Manager

Sincerely

Accepted and agreed to this $\frac{2}{2}$ day of August 2007.

Accepted and agreed to this 2 day of August 2007.

Koppers Industries, Inc.

Pacific Terminal Services, Inc.

ite than Suscial intert

PTIT GENERAL MONAGER



PACIFIC TERMINAL SERVICES, INC.

5211 122nd St SE, Everett, WA 98208 206-979-3918 FAX 425-337-1359 kbuffum@harlevmarine.com

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Sincerely,

Kevin Buffum	
General Manager	•
Accepted and agreed to this 1/2 day of August 2007.	Accepted and agreed to this day of August 2007.
Koppers Industries, Inc.	Pacific Terminal Services, Inc.
By: Hunger 1	, By:
Title Plant Superintendent	Title:



PACIFIC TERMINAL SERVICES, INC.

910 SW Spokane Street, Seattle, Washington 98/34
 P.O. Box 24005, Seattle, Washington 98/24-0005
 Tele. (206) 628-0051 Fax (206) 628-0293

Wednesday, December 15, 1999

RECEIVED

Mr. Stephen C. Kifer Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

DEC 1 7 1999

KOPPERS INDS, INC. PORTLAND OR

Re: Pacific Terminal Services, Inc., Dock Services Agreement

Dear Mr. Kifer:

Enclosed please find a fully executed copy of this agreement

Sincerely

Vincent P: Godfrey

President

cc: With Agreement

Todd Prophet - Harley Marine Services, Inc. Allan Sullivan - Fuel and Marine Marketing

Dave Bever - Carney, Badley, Smith & Spellman

Tina Garrett - Pacific Terminal Services, Inc.-Portland

12/16/99 CC: A. S. Kamerer

J. T. Dietz



Stephen C. Kifer Assistant General Counsel Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

> Telephone: (412) 227-2421 Fax: (412) 227-2333 steve_kifer@koppers.com

December 14, 1999

VIA OVERNIGHT MAIL

Mr. Vincent P. Godfrey PACIFIC TERMINAL SERVICES, INC. 910 S. W. Spokane Street Seattle, WA 98124-0005

RE: PTSI Dock Service Agreement with Koppers

Dear Mr. Godfrey:

As per attorney David Bever's instructions, enclosed please find two sets of the Dock Service Agreement which has now been executed by Koppers. Please note that this reflects the final change to Recital B which was agreed upon by you and Amos Kamerer.

Please execute and date both sets and return one of the sets to me.

Should you have any questions concerning this matter, please do not hesitate to contact me.

truly your

I look forward to receiving the fully executed Agreement.

/ %//// / //

Stephen C. Kifer

SCK/rmh

Enclosures

CC:

J. T. Dietz

A. S. Kamerer

RECEIVED

JAN 1 8 2000

KOPPERS INDS, INC. PORTLAND OR

DOCK SERVICE AGREEMENT

This Dock Service Agreement ("Agreement") is entered into and effective this _____ day of December, 1999, between KOPPERS INDUSTRIES, INC., a Pennsylvania corporation ("Koppers"), and PACIFIC TERMINAL SERVICES, INC., a Washington corporation ("PTSI").

RECITALS

- A. PTSI is a terminal operator which provides dock services at the GASCO fuel oil tank farm terminal site in Portland, Oregon (the "GASCO Portland Terminal").
- B. Koppers receives liquid pitch shipments from ocean going vessels discharging at the GASCO Portland Terminal in shipments of approximately Fifty Thousand (50,000) barrels each.
- C. Koppers desires to use PTSI for dock services pertaining to liquid pitch shipments at the GASCO Portland Terminal dock on the terms and conditions set forth herein.

AGREEMENT

In consideration of the mutual promises set forth below, the adequacy of which is hereby acknowledged and intending to be legally bound, the parties hereby agree to the terms and conditions as set forth below:

Scope of Services. PTSI agrees to perform terminal operator services for the benefit of Koppers at the GASCO Portland Terminal. Services are to include: (a) receiving and letting go of vessel lines; (b) hooking up and unhooking hoses; (c) putting out and retrieving oil spill boom; (d) opening and closing dock valves upon instructions from Koppers' representative; (e) providing dock watch and constant surveillance of the operation; (f) participate in emergency response activities, including jointly conducted drills; (g) performing all securing, connection testing and drainage of products as required prior to and after vessel unloading; (h) participating in agency testing; and (i) such other services as are necessary or incidental the services described above. PTSI will provide two trained operating personnel per eight-hour shift, who are certified and licensed to operate the dock at the GASCO Portland Terminal and certified and licensed to operate all oil spill equipment. PTSI, its employees and agents shall comply with all federal, state, county and municipal laws, regulations, ordinances, standards, rules and orders existing or hereinafter promulgated or otherwise established in any manner applicable to the performance of the operating services performed hereunder. PTSI recognizes and agrees that its operating personnel will be made available for training from Koppers concerning the products being delivered and concerning Koppers' standards of safety, health and environmental performance; provided, however, that all such personnel are at all times acting solely as the agents of PTSI. PTSI

and PTSI's operating personnel shall at all times operate and perform their responsibilities under this Agreement in accordance with any safety rules and other requirements of Koppers applicable to the GASCO Portland Terminal so long as in compliance with federal and state regulatory law and shall otherwise at all times perform their duties with due regard to the safety of all personnel.

2. Parties' Responsibilities. Koppers will provide all hoses and equipment needed to perform the services with the exception of the oil spill boom, which will be provided by PTSI. The maintenance, repair and testing of Koppers' hoses and equipment shall be the responsibility of Koppers. PTSI shall immediately notify Koppers of any leak or other problem with any hose or equipment observed or discovered. Koppers will provide PTSI with a minimum of fifteen (15) days notice of estimated tanker arrival with updated notice seventy-two (72) hours, forty-eight (48) hours and twenty-four (24) hours before estimated tanker arrival.

3. Compensation and Payment.

- a. As compensation for all Services provided hereunder including training provided by Koppers as identified in Paragraph 1 above, Koppers will pay PTSI a service rate of fifty-four Dollars and 00/00 (\$54.00) per hour, per dock operator, working eight (8) hour minimum shifts, and a fixed fee of Six Hundred Dollars and 00/100 (\$600.00) per vessel for the oil spill boom plus any applicable state sales or use tax therefrom. PTSI shall provide documents and materials reasonably requested by Koppers regarding invoices and the provision of services hereunder. Additional services or equipment which PTSI provides will be at standard rates quoted to Koppers at or before the time such additional services or equipment are requested. Such additional services or equipment will be expressly approved by Koppers in writing prior to the incurrence of such charge, unless necessary emergency response actions do not permit. In the case of necessary emergency response action PTSI will provide applicable additional rates as soon as reasonably possible.
- b. The pricing for any renewal term of this Agreement after the initial one year term of this Agreement shall be negotiated and agreed upon in good faith by the parties on a yearly basis, as provided herein. Pricing for any such renewal term shall be agreed upon by the parties no later than One Hundred Twenty (120) days prior to the anniversary date of this Agreement. Price increases for any single renewal term shall be capped at the greater of five percent (5%) over the existing rate or the net annual increase to PTSI for labor services under the applicable collective bargaining agreement. If the parties are unable to reach agreement on pricing for the renewal term within ninety days of the anniversary date of this Agreement, either party may terminate this Agreement in writing by giving the other party sixty days written notice prior to the end of the one year term. If neither party terminates this Agreement pursuant to the foregoing provision the prices then in effect shall continue in effect until the parties reach agreement upon a price adjustment or this Agreement is terminated pursuant to the foregoing provision.

- c. Koppers will pay all invoices for work provided within 30 days after the invoice for such work is received. Any payment made after 30 days is subject to interest at eighteen percent (18%) per annum. PTSI has no obligation to perform any dock services for Koppers while any invoice is outstanding.
- 4. The Term. This Agreement is for an initial term of one (1) year from the date first above written, unless sooner terminated pursuant to this Agreement. Thereafter, unless terminated in writing within Ninety (90) days of the ending of the initial term, the Agreement shall continue for an additional one year. Such additional one-year term may be terminated at any time upon one-hundred and twenty (120) days written notice of termination by one party to the other party. Notwithstanding the foregoing, this Agreement may be terminated at any time in any of the following ways: (i) by either party immediately upon written notice at any time if there is a material breach or failure by the other party to perform the terms and conditions herein; (ii) by Koppers upon one-hundred and twenty (120) days written notice; (iii) by either party to the extent permitted in Section 3 or (iv) by either party immediately upon written notice if the other party is in dissolution or bankruptcy. In the event Koppers terminates this Agreement prior to the first anniversary, then it shall pay to PTSI a \$10,000.00 cancellation fee as liquidated damages to PTSI.
- 5. Governing Law. This Agreement shall be construed, interpreted and enforced in accordance with the laws of the State of Oregon.

6. <u>Independent Contractor Status</u>.

X

- a. In the performance of its duties, PTSI shall act solely as an independent contractor. Nothing herein contained shall at any time be construed as to create a relationship of employer/employee, partnership, principal and agent or joint venture as between PTSI and Koppers. PTSI shall not have any authority to bind Koppers in any relationship with third parties unless authorized in writing by an authorized official of Koppers. Similarly, Koppers shall have no authority to bind PTSI in any relationship with third parties unless specifically authorized in writing by an authorized official of PTSI.
- (b.) Notwithstanding the foregoing, PTSI agrees to perform the services consistent with such reasonable standards as may be established by Koppers from time to time so long as in compliance with federal and state regulatory law, and consistently with prevailing industry standards.
- 7. <u>Indemnification of Koppers</u>. Koppers shall indemnify, defend and hold harmless PTSI from and against all claims, damages, lawsuits, liability, penalties, fines and expenses, (including attorney fees and costs), including from environmental contaminants or releases of environmental contaminants or liquid pitch shipment, caused by Koppers or any tanker vessel providing a Koppers' liquid pitch shipment to PTSI at the GASCO Portland Terminal except to the extent such claims are caused by or result from the actions or omissions of PTSI, its employees and/or agents.

- 8. <u>Indemnification of PTSI.</u> PTSI shall indemnify, defend and hold harmless Koppers from and against all claims, damages, lawsuits, liability, penalties, fines and expenses, (including attorney fees and costs), including from environmental contaminants or releases of environmental contaminants or liquid pitch shipments, caused by or resulting from the actions or omissions of PTSI, its employees and/or agents except to the extent such claims are caused by or result from the actions or omissions of Koppers, its employees and/or agents, or the tanker vessel providing the liquid pitch shipment at the GASCO Portland Terminal.
- 9. <u>Insurance PTSI</u>. PTSI will maintain at all times the insurance coverage as set forth below:
- a. Worker's compensation insurance as required by applicable laws and regulations for all persons performing services.
- b. Employer's liability insurance protecting PTSI against common law liability for employee and/or agent bodily injury arising out of master-servant or principal-agent relationship.
- c. Insurance required under the U.S. Longshoreman's and Harborworker's Compensation Act.
- d. Pollution Legal Liability and Indemnity coverage resulting from release of contaminants or pollutants at or about GASCO Portland Terminal in at least \$5 million
- e. PTSI will name Koppers as an additional insured on all applicable policies and certify that Koppers will be given thirty (30) days written notice of any material change in or cancellation of such coverage.
- 10. <u>Insurance Koppers</u>. Kopper's will maintain at all times during the term of this Agreement and be responsible for having the tanker vessel providing the liquid pitch to the GASCO Portland terminal provide the insurance coverage as set forth below:
- a. Protection and Indemnity coverage for the vessel and dock with pollution liability endorsement.
- b. Pollution Legal Liability coverage/resulting from release of pollutants at or about GASCO Portland Terminal.
- c. Koppers will name PTSI as an additional insured on all applicable policies and certify that PTSI will be given thirty (30) days written notice of any material change in or cancellation of such coverage.
- 11. Force Majeure. Neither PTSI nor Koppers shall be liable for any delays in performance or nonperformance of a provision of this Agreement when such delay or

nonperformance is caused by any act of God or public enemy, or nonavailability of labor, riots, fires, storms, explosions, embargoes, interventions, longshoreman and labor strikes, provided, however, the parties shall act with reasonable diligence and with reasonable care in all such force majeure events and the party declaring force majeure event shall notify the other party in writing when such event commences and when it ends. In the event a force majeure condition is not cured within thirty (30) days, the party not invoking force majeure may terminate this Agreement immediately upon written notice.

12. <u>Notices</u>. All notices, demands, consents or other communications required or permitted hereunder shall be in writing and shall be deemed given when personally delivered or sent by registered or certified mail, return receipt requested, postage prepaid addressed as follows or at such other address as such party may give notice of:

TO KOPPERS:

Koppers Industries, Inc. Attn: Amos S. Kamerer

7540 N.W. St. Helens Road Portland, Oregon 97210

With a copy to:

Wayne F. Plovic

Koppers Industries, Inc.

436 7th Avenue

Koppers Building, 16th Floor

Pittsburgh, PA 15219

TO PTSI:

Pacific Terminal Services, Inc.

Attn: Vincent P. Godfrey 910 S.W. Spokane Street

Seattle, Washington 98124-0005

- 13. <u>Unenforceability: Illegality</u>. If any provision or provisions of this Agreement shall be deemed invalid or unenforceable, either in whole or in part, this Agreement shall be deemed amended to delete or modify, as necessary, the offending provision or provisions and to alter the bounds thereof in order to render the Agreement valid and enforceable.
- Agreement, and no postponement or waiver of any such provision or of any default, misrepresentation, or breach of warranty or covenant hereunder, whether intentional or not, shall be valid unless such amendment, postponement, or waiver is in writing and signed by or on behalf of the party against whom enforcement of the amendment, waiver or postponement is sought. No such amendment, postponement or waiver shall be deemed to extend to any prior or subsequent matter, whether or not similar to the subject matter of such amendment, postponement or waiver. No failure to delay on the part of PTSI or Koppers in exercising any right, power or privilege under this Agreement shall operate as a waiver thereof, not shall any single or partial exercise of any right, power or privilege hereunder

preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

- Assignment and Third Parties. This Agreement and all of its provisions 15. shall be binding on and shall inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns. Notwithstanding the foregoing, PTSI may not assign any obligations or duties required under this Agreement, and any such purported assignment by PTSI shall be void, unless otherwise agreed in writing by Koppers in its sole discretion. The Agreement shall not confer any rights or remedies upon any person other than PTSI and Koppers and their respective heirs, successors and permitted assigns.
- Interpretations. All captions and section headings of this Agreement are included only for reference and for convenience and shall not affect the meaning or interpretation of this Agreement, nor shall they constitute substantive provisions hereof.
- 17. Integration; Counterparts. This Agreement constitutes the entire agreement between the parties and supersedes any prior understandings, agreements or representations by or between the parties, written or oral, to the extent they relate to the subject matter hereof.

18. Arbitration.

- Any dispute arising between the parties regarding the enforcement or application of this Agreement which cannot be amicably resolved shall be submitted by either party to binding arbitration pursuant to the rules of the American Arbitration Association (AAA), or any successor thereto. Such arbitration shall take place in Portland, Oregon. Each party shall bear their own fees and expenses in such arbitration.
- Any decision of arbitration may be entered in as a judgment in any court of competent jurisdiction and may be enforced as such in accordance with the provisions of the award.

IN WITNESS WHEREOF the parties through their authorized representatives, have caused this Agreement to be executed on the date indicated on page one.

KOPPERS INDUSTRIES, INC.

INC.

SERVICES,

Its: VICE PRESIDENT PGENERAL MANAGER

 $\mathbf{B}\mathbf{y}$

PACIFIC TERMINAL

PACIFIC NORTHERN INC.

100 West Harrison - Suite 420 North Tower - Scattle, WA 98119 Telephone 206 / 282-4421 - FAX 206 / 282-6574

August 25, 1999

VIA FAX

Mr. Amos Kamerer Koppers Industries Inc.

Dear Amos:

As you may be aware, Pacific Northern is concluding a sale of assets related to its marine fuels and industrial fuels businesses in the Northwest U.S. to Fuel and Marine Marketing, LLC, a Texaco and Chevron joint venture company.

In conjunction with that sale, we are seeking your consent to assign the agreement we now have with your firm to Fuel and Marine Marketing, LLC effective upon the closing of our transaction, expected to occur within the next few weeks. To assist you, the contract particulars to which we refer are as follows:

Pipeline Lease dated May 22, 1980

Fuel and Marine Marketing, LLC will assume any and all liabilities and obligations of Pacific Northern under the Pipcline Lease dated May 22, 1980 arising after the closing of the transaction between Pacific Northern and Fuel and Marine Marketing, LLC. This consent is not a release, waiver or estoppel with respect to any rights Koppers Industries, Inc. may have against Pacific Northern under said Pipeline Lease.

To expedite this matter, we would greatly appreciate your concurrence as shown by signature, to be returned by FAX and mail as soon as possible. If there are questions, please contact us by telephone at 206-282-4421. Thank you for your assistance.

Gaylon H. Simmons, President

Pacific Northern, Inc.

Allan P. Sullivan, Manager, Pacific NW Fuel and Marine Marketing, LLC

Consent to Assign:

Amos Kamerer

Koppers Industries Inc.

Labor Service Agreement
By and Between
Koppers Industries
And
Pacific Terminal Services

DRAFT FOR REVIEW

Effective June 27, 2005

It is mutually agreed by and between KOPPERS INDUSTRIES. (KI) and PACIFIC TERMINAL SERVICES, INC. (PTSI) as follows:

RECITALS:

- A. PTSI employs certain personnel (Employees) who have hazwoper training.
- B. KI desires one (1) Employee to perform certain services for KI's benefit.
- C. PTSI is willing to make available to KI an Employee and KI is prepared to utilize the Employee under the following terms and conditions.

AGREEMENT:

- 1. PTSI agrees to supply one (1) Employee to KI if, at PTSI's sole discretion, an employee is available.
- 2. At all times, the Employee shall remain an employee of PTSI. PTSI is responsible for wages, benefits, payroll taxes, insurance, and all other taxes and payments required by government laws and employment regulations and PTSI agrees to hold KI harmless from any and all liabilities and/or potential or alleged liability arising from non-compliance unless caused by KI's negligence.
- 3. KI agrees to assume all responsibility and liability for the work performed by the Employee under this agreement. It further agrees to defend, indemnify, and hold PTSI harmless and otherwise fully indemnify PTSI from any and all claims arising from KI's use of the Employee.
- 4. KSI agrees to compensate PTSI for the Employee as follows:
 - a. KI will pay a \$65.00 per hour of straight time.
 - b. KI will pay \$100.00 per hour of overtime.
 - c. Overtime is over 40 hours in a week or over 8 hours in a shift
 - d. KI will provide the Employee with any required safety equipment.
- 5. This Agreement shall be construed under and according to the laws of the State of Washington with regard to conflicts of law principles thereof.

- 6. This Agreement should not be construed to confer greater employment rights upon the Employee than those which are generally recognized in the State of Washington in an "at-will" employment relationship.
- 7. This Agreement shall have a term commencing on the 27th day of June 2005 and run for a period of twelve (12) months, and continue from year-to-year- thereafter, subject to either party's right to terminate this Agreement upon thirty (30) days written notice unless such notice period is waived or shortened pursuant to written agreement.

Dated this day of	2005.
Pacific Terminal Services, Inc.	Koppers Industries, Inc.
By:	Ву:
Name:	Name:
Title:	Title:
Date:	Date:

KOPPERS

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd. Portland, Oregon 97210-3663 Phone: (503) 286-3681

(503) 285-2831

Web Page: www.koppers.com

	· ·
TO: Jim Doctz	DATE: 7/21/03
FROM: Amos	TOTAL # OF PAGES: Z
F.Y. I.	
I told Tray that I know!	I wait until
the end of the month +	
INTALED Will be doing be-	

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX-# 503-285-2831

Koppers009812



PACIFIC TERMINAL SERVICES, INC.

A HARLEY MARINE SERVICES, INC. COMPANY

910 S.W. Spokane Street, Seattle, Washington 98134 P.O. Box 24005, Seattle, Washington 98124-0005 Tele. (206) 628-0051 Fax (206) 628-0293 www.harleymarine.com

July 18, 2003

Amos Kamerer Koppers, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

Dear Amos:

This is with reference to establishing a Labor Services Agreement between Pacific Terminal Services, Inc. and Koppers Industries, Inc., as we discussed. Pacific Terminal Services can provide personnel to be trained for your operation and once trained the personnel would be available on an as needed basis.

All labor charges would be based upon a minimum 4 hour call out, with a minimum of six hours notice. Overtime at time and one-half would be charged for any hour worked over eight hours in a day. The following rates would apply:

1. Training rate: \$35.00 per hour of straight time.

2. Service rate: \$58.86 per hour of straight time.

Pacific Terminal Services would provide personnel under a Labor Services Agreement. Pacific Terminal Services would maintain basic worker insurance. Koppers would be liable for all operational risk.

Please let me know if this meets with your approval. If so, I will provide you with a Labor Services Agreement for your approval.

Sincerely,

Troy M. Goodman, PE

President

RECEIVED

JUL 2 1 2003

KOPPERS INDS, INC PORTLAND OR

KOPPERS

7/1/03

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

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AMOS S. KAMERER



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WA 360-835-3780 Toll Free 877-WCMCINC • OR 503-285-2485

129



PACIFIC TERMINAL SERVICES, INC.

A HARLEY MARINE SERVICES, INC. COMPANY

910 S.W. Spokane Street, Seattle, Washington 98134 P.O. Box 24005, Seattle, Washington 98124-0005 Tele. (206) 628-0051 Fax (206) 628-0293 www.harleymarine.com

SEP 6 2005

August 3, 2005

Amos Kamerer Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

Dear Amos:

This is with reference to the Dock Services Agreement between Pacific Terminal Services, Inc. and Koppers Industries, Inc., dated December 15, 1999.

Pacific Terminal Services has held rates constant since August 2002. However, due to increasing labor rates, insurance rates, and regulatory fees, it is necessary to raise our rates for the Dock Services Agreement. Our labor increase has been 2.25% to 3% each year. Therefore, per paragraph 3.b. rates effective December 15, 2005 will be increased 8.25%.

Notwithstanding anything to the contrary contained in the Dock Services Agreement, it is hereby understood and agreed that this agreement is hereby amended, effective December 15, 2005, as follows: Page 2, Paragraph 3.a.:

- 1. Service rate changed from Fifty-eight dollars and 86/100 (\$58.86 per hour to Sixty-three dollars and 72/100 (\$63.72).
- 2. Fixed fee per vessel for the oil spill boom changed from Six Hundred Fifty-four dollars and 00/100 to Seven Hundred Eight dollars and 00/100 (\$708.00).

The response contractor fee will change from \$0.0533 per barrel to \$0.0625 per barrel of pitch received through the dockline.

Please indicate your acceptance of and agreement to the foregoing by singing and returning both originals of this Amendment. A fully executed copy will be returned for your files.

Kamerer Amos

From: Troy Goodman [tgoodman@harleymarine.com]

Sent: Friday, August 12, 2005 11:01 AM

To: Kamerer Amos

Cc: Dietz Jim; Turner TJ

Subject: RE: Dock Service Agreement

Amos,

I agree that the increase is substantial on a percentage basis. Our spill response contractor fees increased 27.5% since 2002. This is driven by new ODEQ requirements for contractor standby equipment (wildlife rescue, boats, communication equipment), personnel, and training requirements. I did not pass on the entire increase to you. Let me know if you have any other questions.

Regards,

Troy

----Original Message-----

From: Kamerer Amos [mailto:KamererAS@koppers.com]

Sent: Wednesday, August 10, 2005 11:38 AM

To: Troy Goodman **Cc:** Dietz Jim; Turner TJ

Subject: Dock Service Agreement

Hi Troy,

Just received your price Amendment on subject agreement effective December 15, 2005. I understand the labor cost increase

of 8.25%, since December 15, 2002, however, the spill response contractor fee went form \$0.0533 to \$0.0625 per barrel, this

is an increase of .1726%.

Will you please provide some form of justification for this increase?

Thanks,

Amos Kamerer Phone: 503-286-3681 Fax: 503-285-2831

kamereras@koppers.com

10/5/99

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Long Beach, Calif

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TO AND FROM

ARIZONA - CALIFORNIA - NEVADA - OREGON - WASHINGTON FASTEST LTL SERVICE



Call **286-2685**



PORTLAND

DELIVERY BY NOON

Kamerer Amos

From: Sent:

3

Troy Goodman [TroyG@fammpnw.com] Friday, December 27, 2002 10:09 AM

To: Subject:

Kamerer Amos RE: Channel Depth

Amos,

I discussed with FAMM and they agree that both Koppers and FAMM should approach NNG jointly to discuss any dredging issues.

I requested Tina have one of the tugs sound the berth. She received $\operatorname{\mathsf{good}}$

mean low water.

I will give you a call when I have the depths prepared for you and we can discuss a path forward.

I hope you are enjoying the holidays.

Best Wishes,

Troy Goodman

----Original Message----

From: Kamerer Amos [mailto:KamererAS@koppers.com]

Sent: Thursday, December 19, 2002 9:15 AM

To: Troy Goodman (E-mail) Subject: Channel Depth

Hi Troy,

Gearbulk Shipping stopped by the other day and mentioned that the pilot 's

have reported soundings at

the Gasco dock of 26' up river and 34' down river. Our contract with them

states that we guarantee a

minimum of 35' fresh water at mean low water; this based on what we were told by George Markwood

and Cameron McKernan, as being the historical data.

Generally, this is not an issue because they come in here with only our cargo and are sitting pretty

high in the water. However, in December of 2000 they had to pick up cargoes

in BC to fulfill some

contract obligations and came in here fully loaded and had a hard time making the berth. This year $\,$

because of the recent typhoon in the Asian sea's they were delayed and again

looked at coming in

here loaded, but decided against it because of the river level.

How often does the COE dredge the river? Can someone request a dredging? If \cdot

so, is there a cost,

or does the COE simply add you to their schedule and absorb the expense

as
part of their normal
operating budget?

I realize, as does Gearbulk, that we have been in a drought condition up till the last week or so and that this is not normal, however, I would just like to know more about all of this, should the question come up again.

Thanks, and my best wishes to you and your family this Holiday Season.

Amos Kamerer

Phone # 503-286-3681 Fax # 503-285-2831

E-mail: Kamereras@koppers.com



PACIFIC TERMINAL SERVICES, INC.

A HARLEY MARINE SERVICES, INC. COMPANY

910 S.W. Spokane Street, Seattle, Washington 98134 P.O. Box 24005, Seattle, Washington 98124-0005 Tele. (206) 628-0051 Fax (206) 628-0293 www.harleymarine.com

May 28, 2002

Chris Kaufman
Department of Environmental Quality
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201-4987

Re: Portland Railcar Spill, 5-18-02

Dear Chris:

On May 18, 2002, at approximately 1410 hours about 200 gallons of bunker fuel was spilled at the Portland Terminal rail spur while unloading rail car RRBX 23900 (Murphy Oil). Two operators were on duty. Both employees are trained and qualified as senior operators.

One operator removed the cap to hook up the hose to the rail car. When the cap was removed oil immediately began to flow, overflowing the spill pan onto the ground. The operator called for help and immediately tried to close the valve. The valve would not close. The other operator responded with the plug and hydraulic jack to stop the flow. The operators then blocked the flow of any oil on the ground with earth berms. The operators notified Tina Garrett at 1430 hours.

I was notified at 1435 hours. Tina Garrett, Terminal Superintendent, notified the Northwest Natural Gas Security and Koppers Industries. I notified Clean Rivers Cooperative (Steve Novak) at 1441 hours. I requested a vacuum truck and crew for immediate assistance., I notified NRC at 1446 hours (605009, Edwards). I notified OERS at 1459 hours (02-1150, Colleen). I notified George Clark and together we completed the remaining notifications: Oregon DEQ, Portland Fire, Environmental Protection Agency, Harley Marine Services, and Fuel and Marine Marketing.

Cowlitz Clean Sweep (CCS) was on site in about 30 minutes from notification. They immediately began to recover captured oil. They recovered about 75 gallons from the ground.

The operators connected a hose over the top of the rail car and the oil from the car was pumped off. The switch company was notified and came to pull the car from the location of the spill in order to expedite the clean up. CCS brought in an air mover (large vacuum truck) and sucked the oil and rock from between the ties and rail track. The oiled rock was placed in a temporary containment pending disposal. Around midnight, it began to rain. At about 0100 hours May 19, 2002, I had CCS shut down and cover the spill site

with plastic. They had recovered a substantial amount of product and oiled gravel. On May 19, I had the operators clean up rags, tools, etc., in preparation for beginning a final cleanup and repairs today.

On May 20, CCS lined up equipment for excavation. Bob Robertson, Terminal Manager, obtained services from a railroad contractor to remove the tracks to allow an excavator to remove the contaminated soil.

On May 21, CCS removed all contaminated soil. Northwest Natural Gas (property owner) observed the clean up. It was easy to determine what soil was contamination based upon visual observation. All oiled soil was excavated and stockpiled. There was a geotextile fabric under the rail ballast that contained the oil. The stockpile was sampled and sent for analysis.

On May 22, the stockpile was hauled to TPS Technologies, Inc. for disposal. The rail siding was reconstructed and the last of the equipment was decontaminated and the cleanup was concluded.

Attached is the DEQ spill/release report. Please contact me if you have any further questions, 206-938-6505.

Regards,

Troy M. Goodman, PE

General Manager

cc: Koppers Industries, w/o attachments

RECEIVED

JUN 3 2002

KOPPERS INDS, INC. PORTLAND OR To: "Troy Goodman" <SMTP:TroyG@fammpnw.com>

Priority: Normal

Subject: Re: RE: Certificates of Insurance

Thanks, Troy. Amos

_Reply

Separator_

Subject: RE: Certificates of Insurance

Author:

"Troy Goodman" <SMTP:TroyG@fammpnw.com>

Date:

8/25/00 9:26 PM

Amos,

You should receive the certificates by fax from our insurance company for all except the pollution coverage. FAMM is providing a certificate for the pollution coverage.

Troy

----Original Message---From: amos_kamerer@koppers.com [
mailto:amos_kamerer@koppers.com
<mailto:amos_kamerer@koppers.com>]
Sent: Tuesday, August 15, 2000 8:54 AM
To: troyg@fammpnw.com
Subject: Certificates of Insurance

Hi Troy, I hope all is well with you.

We just finished an internal audit and one of the things they noticed was that we do not have in file, the proper certificates of insurance from PTSI, as required in the service contract. Even though the contract is very clear of what the coverage is to be, they say that we should have the certificates on file, for verification. Will you please see that these are sent to me, as soon as possible.

Let me know if you have any questions.

Thanks,

Amos



PACIFIC TERMINAL SERVICES, INC.

910 SW Spokane Street, Seattle, Washington 98134 P.O. Box 24005, Seattle, Washington 98124-0005 Tele. (206) 628-0051 Fax (206) 628-0293

May 11, 2000

Amos Kamerer Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663

Dear Amos:

The purpose of this letter is to document our agreement on the method for calculating payment for services as outlined in our Dock Services Agreement dated December 1999.

Payment is based upon the number of hours the vessel is at the dock. The number of hours the vessel is at the dock divided by eight (hours per shift) and rounded up to the next whole number determines the number of hours per operator. The number of hours per operator times the number of operators determines the total number of billable hours. The total billable hours times the current hourly rate determines the labor cost. The labor cost plus the fixed fee for oil spill boom plus any additional services or equipment plus any applicable states sales or use tax determines the payment due.

I believe this is consistent with our discussion concerning invoices. Please call if you have any questions.

and the second of the second of

Sincerely.

Troy M. Goodman, PE Operations Manager

cc: Allan Sullivan – Fuel and Marine Marketing LLC
Vince Godfrey – Pacific Terminal Services, Inc.

RECEIV

MAY 1 5 2000

KOPPERS INDS: NO. PORTLAND OR

PORTLAND PLANT

PORTLAND, OREGON

CREOSOTE AND TAR PRODUCTS DISTRIBUTION TERMINAL

[Rev. 7/98]

Plant Manager:

Amos S. Kamerer

Office:

(503) 286-3681

Home:

(503) 246-8045

CELL:

(503) 705-8748

Plant Address: 7540 NW Saint Helens Road, Portland OR 97210-3663

Located in Multnomah County, City of Portland, the terminal is located on approx. 6.4 acres of leased property. The property is owned by Northwest Natural Company, 220 NW Second Ave., Portland, OR 97209. The property is bounded by Saint Helens Road (Oregon Route 30) on the south, Northwest Natural Company property, extending to the shore of the Willamette River, on the north, the Northwest Gas Company Liquified Natural Gas Plant on the west, and a service road separating Koppers property from Wacker Siltronic Corporation to the east.

Normal operating hours are from 4:00 pm Sunday to 4:00 pm Friday each week. Generally, the plant is shut down on weekends.

The immediate 2 mile radius area around the plant is as follows:

East, Southeast:

98% Industrial and 2% Residential

South, Southwest:

- 98% Residential and 2% Industrial
- Approximately 1,000 yards in this direction, is a mountain range that reaches about a 500 foot elevation.

West, Northwest:

- The Willamette River borders on this area to the north.
- 98% is Residential and 2% Industrial

North, Northeast:

- The Willamette River borders this area to the west.
- 95% Residential and 5% Industrial

A map of this area is attached.

The Coal Tar based products that we handle are shipped into the terminal via tank cars from our 4 domestic production plants or via bulk cargo vessels for the coal tar pencil pitch that we import. These products are stored at the terminal, or are further remanufactured, prior to their distribution to our customers. Outbound shipments are via tank cars or tank trucks, 55 gallon drums or 5 gallon pails.

The terminal has 11 full-time employees, with annual sales in the range of \$15,000,000 and a local payroll in excess of \$400,000 annually.

The best information we have shows Koppers came on this site in 1966. At the time, the existing facility consisted of the Northwest Natural Gas Company's coke and gas plant, which operated from the late 1890's until it was shut down in the 1950's. Koppers, with A.J. Zinda Construction company, integrated into the existing facilities a tar distillation unit consisting of a small column and a reboiler loop. This unit made coal tar pitch for Reynolds Aluminum in Longview, Washington. Tar supplies were received from Koppers Australia Pty. LTD., Colorado Fuel and Iron, and Kaiser Steel, in Fontana California. The tar still shut down permanently and partially dismantled in mid 1970's.

In 1984, and again in 1992, storage sheds were built to hold up to 14,000 tons of coal tar pencil pitch. This material is brought in by bulk cargo vessels through the Hall-Buck Marine handling facility at Terminal 4, Port of Portland. The pitch is then loaded into railroad hopper cars, for shipment directly to our customers, or is loaded into hopper trucks that bring it directly to the Portland Plant for storage. It is then used as the feed stock for our melter, where the solid pitch is melted into a liquid, for shipment to our customers.

The Portland facility meets or exceeds all regulatory requirements as set forth by the City of Portland, Multnomah County, the DEQ of the State of Oregon and the federal EPA. This includes features such as a fume recovery system, spill containment at the tank car

unloading station and an NPDES permit for our storm water disposal system, among others.

We are members of the Emergency Communications for Hazardous Operation (ECHO), an organization here in the Northwest Industrial Area of Portland. We have semi-annual visits with the local Portland Fire Department for Plant and product familiarity.

Located within approximately a two-mile radius of the plant are the following schools and parks.

Holy Cross School, 5202 N Bowdoin Street, 97203
Astor School, 5601 N Yale Street, 97203
Clarendon School, 9325 N VanHouten Avenue, 97203
James John School, 7439 N Charleston Avenue, 97203
Sitton School, 9930 N Smith Street, 97203
Roosevelt School, 6941 N Central Street, 97203
George Middle School, 10000 N Burr Avenue, 97203
University of Portland, 5000 N Willamette Boulevard, 97203

Forest Park
Pier Park
Johnswood Park
John's Park
Cathedral Park
George Park
Northgate Park
Portsmouth Park
McKenna Park

There are no hospitals or nursing homes within a 2 mile radius of the plant.

There are two major newspapers serving the Portland metropolitan area as follows:

The Oregonian, 1320 SW Broadway, 97210

News Department: (503) 221-8188 - Fax (503) 227-5306

City Desk: (503) 221-8189 - Fax (503) 227-5306

The Columbian, 701 W 8th Street, Vancouver, WA 98660

Portland Phone number (503): 224-0654 - Fax (360) 699-6033

The major radio stations are as follows:

KXL News Radio, 1415 SE Ankeny, 97214, Tel.#: (503) 231-0750 - Fax (503) 235-4446 KEX Radio 1190 AM, 4949 SW Macadam, 97201,

Tel.#: (503) 225-1190 - Fax (503) 224-3216

KBNP Business Radio, 1410 AM, 811 SW Front Ave, 97201,

Tel.#: (503) 223-6769 or (503) 223-4305 Fax (503) 223-4305

KKEY Talk Radio 1150, (telephone & fax) (503) 222-1150

The major television stations are as follows:

KATU Channel 2, 2153 NE Sandy Blvd./P.O. Box 2, 97207, Tel. #: (503) 231-4222

Fax - (503) 231-4263

KGW, Channel 8, 1501 SW Jefferson, 97201, Tel. #: (503) 226-5000

Fax - (503) 226-4448

KOIN, Channel 6, 222 SW Columbia, 97201, Tel.#: (503) 464-0600

Fax - (503) 464-0806

KPTV, Channel 12, 735 SW 20th Place, 97201, Tel.#: (503) 222-9921

Fax - (503) 224-0101

The Mayor of Portland is Vera Katz, 1220 SW 5th, Room 303, 97201,

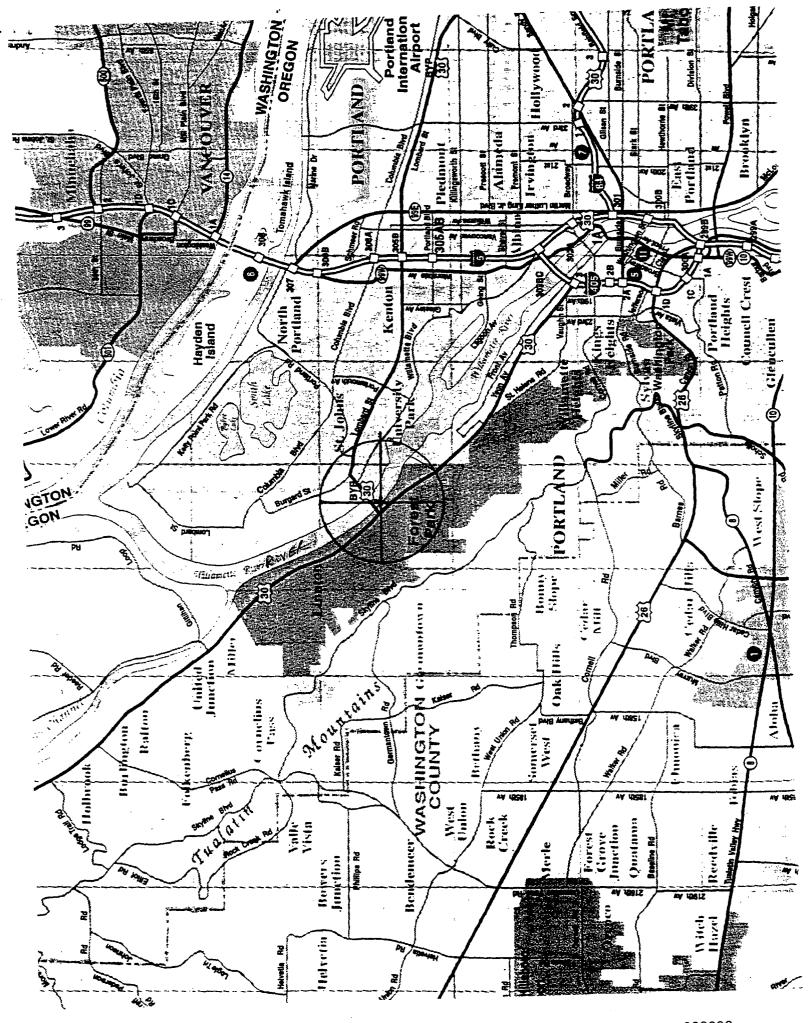
Tel.#: (503) 823-4020

Fax - (503) 823-3588

The City Council Clerk is Cay Kerschner, Tel. #: (503) 823-4085

Fax - (503) 823-4157

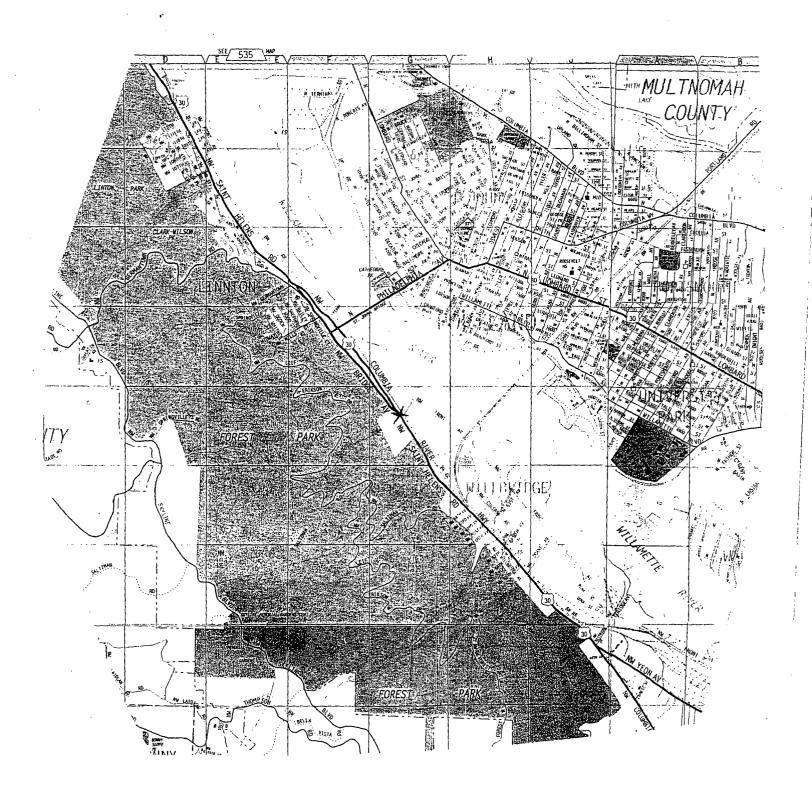
The President and CEO of the Portland Chamber of Commerce is Donald S. McClave, 221 NW 2nd, Portland, OR 97209, Tel. #: (503) 228-9411 - Fax - (503) 228-5126



RECEIVED

JUL 27 1998

KOPPERSINDS INC. PORTLAND OR



Holy Cross 5202 N Bowdoin St. Pdx 97203

Astor 5601 N Yale St. Pdx 97203

Clarendon 9325 N Van Houten the Pdx 97203

James John 7439 N Charleston the 97203

Sitten 9930 N Smith St 97203

Roosevelt 6941 N Central St 97203

George Middle 10000 N Burr the 97203

University of Portland

& No hospitals of nursing homes w/in Z mile radius.

Parks

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John's Park
Cathodral Park
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Portsmouth Park
McKenna Park

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Signature of Shipper's agent next above is also intended as execution of Section 7
Signature above inust appear in longhand

05:15 PM 07 01 06 003996 100140 LB **GROSS** 40460 LB TR 59680 LB NET TARE NET DRIVER ON ____ OFF ___ WEIGHED BY DIGITAL WEIGHT INDICATOR & PRINTER PORT OF LONGVIEW · 10 PORT WAY · LONGVIEW, WA 98632-7739

SELLER **BUYER**

ADDRESS

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P.O. BOX	Portland Heavy H	oatch 503-255 ¹ 7902 Fax: 503 aul Disp a tch 503-255 ₈ 7904 Fax: 503			06-878-7980
FAIRVIEW	v, or 97024 Portland Nationwi	*			00-727-7980
RECEIVED, subject to the c noted (contents and condition of or any person or corporation in posse destination, it is mutually agreed a every service to be performed here Shipper hereby certifies that accepted for himself and his assign	earrier's rules and rate tariff and other pricing ontents of packages unknown), marked, cons session of the property under the contract) agre as to each carrier of all or any of, said propert eunder shall be subject to all the bill of lading the is familiar with all the bill of lading terms ns.	agreements in effect on the date of the issue of igned, and destined as indicated above which is se to carry to its usual place of delivery at said y over all or any portion of said route to destina terms and condition in the governing classificat and conditions in the governing carrier's rules	this Bill of Lading, the property descri aid carrier (the word carrier being un lestination, if on its route, otherwise to tition, and as to each party at any time on on the date of shipment, tariff and the said terms and condition	bed above in apparent good derstood throughout this con deliver to another carrier on e interested in all or any of s ons are hereby agreed to by	order, except as tract as meaning the route totsaid aid property, that the shipper and
107582142	DATE //7 /O/a TRUCK#	19-232/2	0-233	P.O. # .	
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OMMODITY NO. SHIPPING UNITS	KIND OF PACKAGI	NG, DESCRIPTION OF ARTICLES, MARKS AND EXCEPTIONS	NET WEIGHT (Subject to Correction)	RATE 6	CHARGES
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(Sil		cene of Phenanthi			
CARRIER'S LIABILITY FOR LOST (LIMITS SET FORTH IN CARRIER'S	OR DAMAGED FREIGHT IS LIMITED BY CARI S RULES TARIFF. CLAIMS MUST BE FILED W	RIER'S RULES TARIFF WHICH IS INCORPORAT ITHIN 270 DAYS FROM THE DATE OF DELIVER	ED BY REFERENCE. SHIPPER SHAL Y.	L FILE ALL CLAIMS WITHIN	тне тіме
SHIPPER SIGNATURE:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	LOADING PHIVER	Oaks No	PILOT CARS ONE) TWO()
Ha	Taic!	DATE TIME ARRIV	ED STABITED LOADIN	NG / TIME LEFT "	•
CONSIGNEE SIGNATURE RECEIVED ABOVE FREIGHT		UNLOADING DRIVER		PILOT CARS ONE	TWO 🖰
IN GOOD ORDER.		TIO I LOCA 13	ED STARTED UNLOA	DING TIME LEFT	
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	COMBINED UNIFORM STRAIG	HT BILL OF LADING AND FREIGHT BILL ORIG	INĂLO NOT NEGOTIABLE	
	Portland Bulk	Dispatch 503-255-7902 Fax: 503-255-9; y Haul Dispatch 503-255-7904 Fax: 503-257-90	1, 5, 4	206-878-7980 206-878-0229
	P.O. BOX 699 BORVIEW, OR 97024 Portland Natio	Y This y	Seattle Nationwide WATS	1
~	RECEIVED subject to the carrier's rules and rate tariff and other prinoted (contents and condition of contents of packages unknown), marked,	cing agreements in effect on the date of the issue of this Bill of consigned, and destined as indicated above which said carrie	of Lading, the property described above in apparent good (the word carrier being understood throughout this of	d order, except as intract as meaning
	RECEIVED subject to the carrier's rules and rate tariff and other prinoted (contents and condition of contents of packages unknown), marked, any person or corporation in possession of the property under the contract) destination. It is mutually agreed as to each carrier of all or any of, said prine service to be performed hereunder shall be subject to all the bill of later is familiar with all the bill of lading the accepted for himself and his assigns.	agrees to carry to its usual place of delivery at said destination operly over all or any portion of said route to destination, and ding terms and condition in the governing classification on the large and conditions in the governing carrier's place, tagiff and	 n, if on its route, otherwise to deliver to another camer of as to each party at any time interested in all or any of e date of shipment. d the said terms and conditions are hereby agreed to the 	n the route to said said property, that
	I SU DAIE IRUCK#	THAILER #	P.O. #	y the shaper and
	10-758212 01 10/12/06 19-2 SHIPPER	CITY & STATE	SHIPPER	B.L. #
	CONSIGNEE 2585 KOPPERS INDUSTRIES I	NC. CITY & STATE PORTLAN	ROUTE	ODE
	2585 KOPPERS INDUSTRIES, I BILL TO NAME BILL TO NAME KOPPIT KOPPERS	CITY & STATE COLUMBI	C.O.D.	.00
ι	COMMODITY NO. SHIPPING KIND OF PAC	KAGING, DESCRIPTION OF ARTICLES, IAL MARKS AND EXCEPTIONS	NET WEIGHT PATE (Subject to Correction)	2112222
	134 1.00 PENCIL PITCH		.5900	
		24-9300		
	162 RQ HAZARDOUS S 163 ORM-E HM #UN-	3077		
	164 CONTAINS ACRID ANTHRACENE & P	HENANTHR		
	CARRIER'S LIABILITY FOR LOST OR DAMAGED FREIGHT IS LIMITED BY LIMITS SET FORTH IN CARRIER'S RULES TARIFF. CLAIMS MUST BE FILE	CARRIER'S RULES TARIFF WHICH IS INCORPORATED BY R ED WITHIN 270 DAYS FROM THE DATE OF DELIVERY.	EFERENCE. SHIPPER SHALL FILE ALL CLAIMS WITHIN	THE TIME
	SHIPPER SIGNATURE:	LOADING DRIVER	PILOT CARS ONE	тwо .
		DATE / TIME ARRIVED	STARTED LOADING TIME LEFT	
•	CONSIGNEE SIGNATURE: REGEIVED ABOVE FREGUITE IN GOOD ORDER	UNLOADING DRIVER	PILOT CARS, ONE) τwo ()
	1300000	TO AL DO TIME APPLYED	STARTING UNLOADING TIMETER	×
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STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subje	ect to the classifi	cations and lawfully filed	tariffs in effect on the date of	of issue of this Bill of l	Lading	-12-06	Bill of La	iding Number
FROM Vanne	lua.	,	T: Longview, WA		DATE:		20040052	260
said company (the word	below, in apparent goo leomonty being under at said destination, if or	of order, except as noted (contents stood throughout this contract as a n iss own read or its own water in	and condition of contents of packages ceasing may person or corporation in a stherwise to deliver by market person and as a second party of an ele-	possession of the property unc ier on the routs to said destine	ed and destined as indicate the construct) agrees tion. It is mutually agr	to carry to its	Freight Bas	
Ship To:	shipper and occupied i		channer prizzad or written, havein excessiond, including classification bills of leding conditions, which are Gresham Transfer			Shippers Order#		
Koppers Inc Portland 7450 N W St Helens Road			- 479			SN95260		
Portland, OR 972		Carrier / V Sold To:	/chick# 19-232					P.O. Number
Packages No. and Kind	нм		ME/HAZARD CLASS PLICABLE)	DESCRIPTION (of articles, RKS & Excep		(Sul	WEIGHT bject to Correction)
1 DT	RQ	(CONTAINS BE CLASS 9 NA307	· · · · · · · · · · · · · · · · · · ·	•	THRACENE	·	GTN	
		ELECTRODE E 2899868 MARKED: 3077 (CARBON PITO 49 series STCC =	; CH HARD PENCIL -		59	(10)		
		WEIGHT IN T	RANSIT	nga sa kanangan				
		In order to secure prompt payment, a copy of the bill of lading must be attached to all Prepaid freight bills or the freight bills will be returned unpaid. Please forward freight bill and bill of lading to: Koppers Inc. c/o Cass Information Systems P.O. Box 182038 Columbus, OH 43218-2038						
								·
	•							
			L CHEMTREC 1-80					
imbjent to Section 7 of Conditions of applicable bill of lading, if this stipment is a to distincted to the consigner without recourse on the consigner, the consigner had sign the following statement: The courter shall not make delivery of this magnetic without payment of freight and all other lawful charges. Signature			specifically in writing the values of or dealered value of the property. The agreed or dealered value of the property if hereby stated by the shipper to be not exceeding 170 seems per pounds for each distribution package." Koppers In 436 Sevent					
Of Consignor per This is to certify that the ab described, packaged, marks pramportation according to Framportation.	ed and labeled and are the applicable regulat	ere properly classified. In proper condition for ions of the Department of	Shipper herby sertifies that this a shown and is subject to verification inspection Bureas having jurisdict	n according to agreement with log.			PA 15219-18	Agent
House	(Suco	nel	g. yycal	X		Per		

Signature of Shipper's agent next above is also intended as execution of Section 7 Signature above must appear in longhand

19-24°9	SELLER BUYER ADDRESS		DATE		
Der	CITY	STATE	ZIP		
		11:43 AM 07 01 06 0039	76		
		104900 LB		GROSS	
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		69700 LB NET			
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		IDICATOR & PRINTER VAY LONGVIEW, WA 986	i32-7739		

		 			
	DATE				
9	SELLER				
0.23.19	BUYER				
20.249	ADDRESS	· .			
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	CITY		STATE	ZIP	 ,
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	COMBINED UNIFO	ORM STRAIGHT BILL C	OF LÀDING	G AND FREI	GHT BILL ORIGIN	AL • NOT NEGO	TIABLE		
		Portland Bulk Dispatch	503	3-255-7902	Fax: 503-255-9245	5	S	eattle :	206-878-7980
JAN TANK TO ANSTER IN		Portland Heavy Haul Dis	patch 50	3-255-7904	Fax: 503-257-9028	3	Seattle	Fax:	206-878-0229
P.O. BO FAIRVIE	X 699 W, OR 97024	Portland Nationwide WA	TS 80	0-727-7900		l Seatti	le Nationwide V	VATS :	800-727-7980
RECEIVED, subject to the noted (contents and condition of any person or corporation in poss destination. It is mutually agreed every service to be performed he Shipper hereby certifies th accepted for himself and his assi	urs				ne issue of this Bill of La ove which said carrier (t ery at said destination, it e constitution, and as e classification on the da rier's rules, tariff and th	ading, the property descr he word carrier being un on its route, otherwise to to each party at any tim te of shipment. ee said terms and conditi	ibed above in app derstood throught o deliver to anothe e interested in all ions are hereby a		d order, except as ntract as meaning n the route to said said property, that by the shipper and
.0-757794 0 1	DATE 10/12/06	5 19-249	TRAILER	[#] 249				PO.#	eritation in the second
SHIPPER 6797 REILL	Y INDRUST	RIES		CITY & STATE	LONGVIEW	W	A	SHIPPER	1005239
CONSIGNEE 2585 KOPPE	RS INDUST	RIES. INC.		CITY & STATE	PORTLAND	OF	R	ROUTE	ODE 1
BILL TO NAME KOPPIT KOPPE				CITY & STATE	COLUMBUS	OI	H	C.O.D.	. 00
DMMODITY NO. SHIPPING CODE UNITS		KIND OF PACKAGING, DES SPECIAL MARKS A				NET WEIGHT (Subject to Correction)	FATE	, e	CHARGES
1.00 1.60 61 62 63 64 1.65	NUMBER RQ HAZAI ORM-E CONTAINS	PITCH C EMERGENCY 1-800-424-93 RDOUS SUBSTA HM #UN-3077 S ACRIDINE, ENE & PHENAN	NCE			19,700		247	
CARRIER'S LIABILITY FOR LOST LIMITS SET FORTH IN CARRIER	OR DAMAGED FREIGHT S RULES TARIFF. CLAIM	T IS LIMITED BY CARRIER'S I AS MUST BE FILED WITHIN 2			CORPORATED BY REFE	ERENCE. SHIPPER SHAL		IS WITHIN	THE TIME
SHIPPER SIGNATURE:	^ //		LOADING	DRIVER	wall			ONE () two()
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RECEIVED ABOVE FREIGHT	7// 1				- Layer			•	_

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STRAIGHT BILL OF LADING – SHORT FORM ORIGINAL – NOT NEGOTIABLE

RECEIVED, subje	ct to the classific	ations and lawfully filed	tariffs in effect on the date o	fissue of this Bill of L	ading	Bill of	Lading Number
FROM: Koppers I	nc.	<u> </u>	T: Longview, WA	1	22. DATE: 10/4/06	200400	5239
The suspeny described to said company (the word usual place of delivery si carrier of all or any of an performed benumber the	clow. In apparent good company being undered unid depthestion, if on if property over all or of Il he subject to all cond	order, except as noted (comment took distructions this contract as m its own road or its own water line	T: Librigates, W.A. and conficient of contents of packages and conficient papers or compension in p. , otherwise to defiver to acader carri- stica, and as to each party at any time they printed or written, herein contains	continuous of the property and	d and descined as indicated below, or the contract) agrees to carry to it	which Freight I	
Ship To:			esham Transfer			Shippere	Order#
Koppen Inc Port 7450 N W St Hele						SN05239	•
Portland, OR 9722	29	Camier / V Sold To:	chicle # 19-249 20-249				rs P.O. Number
Packages No. and Kind	нм		ME/HAZARD CLASS PLICABLE)		of articles, specia RKS & exceptions		WEIGHT Subject to Correction)
177	RQ		LATED SUBSTANCI INZO(A)PYRENE,DI 17 PGHI	BENZ(A,H)ANT	THRACENE)	O T N	7
± 3%		ELECTRODE B 2899868 MARKED: 3077 (CARBON PITO 49 series STCC =	CH HARD PENCIL		69,700		
		•WEIGHT IN T	ransit+				
		attached to all Pr	e prompt payment, a epaid freight bills or reight bill and billof la	the freight bills v		aid.	
		Koppers Inc. c/o Cass Informa P.O. Box 182038 Columbus, OH 4					
Tree	FD CPNCU	CONTACT: CAL	1 CHERTRES 1 BA	6 424 8288 OD 1	202 402 2545 TA	V 1 800 242 1	1438
Subject to Section 7 of Co to be delivered to the con- stall sign the following sta- shigmants without physical Signature Of Covelance per	nditions of applicable to ignore without recourse stament: The carrier of at affreight and all of See \$\frac{1}{2}\$	til of inding, if this shipment is on the consignor, the consignor hall not make delivery of this ther lawful charges. Onlow	L CHEMTREC 1-80 "Nose: Where the rare is dependen upscifically in writing the relament doctured value of the property in he 170 context per pounds for each distri-	t on value, shipper's are requi or declared value of the prope reby stated by the shipper to b	red to state stry. The agrand or be not exceeding Koppe 436 Se		ADDRESS OF SHIPPER:
This is to certify that the a described, packaged, mark transportation according to Transportation.	ed and labeled and are:	in proper condition for one of the Department of	Shipper herby extrifies that this is shown and is athlete to verification Inspection Bureau leving jeriodicsi PER W. MC. C.C. PER W. MC	according to agreement with	to correct weight is the Weighing and		Agent

^{*} Signature of Shipper's agent next above is also intended as execution of Section 7
Signature above must appear in longhand

15	DATE_ 19-232 BUYER ADDRESS_	
	CITYSTATE	ZIP
	11:45 AM 07 01 06 003977 11:2900 LB 40520 LB TR 72380 LB NET	GROSS TARE NET
	DIGITAL WEIGHT INDICATOR & PRINTER	
	PORT OF LONGVIEW · 10 PORT WAY · LONGVIEW, WA 98632-77	39

Koppers009846

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P.O. BOX	Portland Heavy Haul	Dispatch 50	3-255-7904	Fax: 503-257-9028	3	Seattle I	Fax: 206-878-0229
	v, on 97024 Portland Nationwide	WATS 80	0-727-7900		Seattle	e Nationwide W	ATS 800-727-7980
accepted for himself and his assig		a conditions in tr	ne governing ca	the issue of this Bill of Li hove which said carrier () ery at said destination, it te to destination, and as g classification on the de mer's rules, tariff and th	ading, the property descri he word carrier being un- on its route, otherwise to to each party at any time to of shipment. e said terms and condition	ons are nereby agr	eed to by the shipper and
10-757796 801	DATE 10/12/06 19-232	TRAILER 20-	233		xAXe fu	. }'	?O.#
SHIPPER 6797 REILL	Y INDRUSTRIES		CITY & STATE	LONGVIEW	WA	<u>. </u>	20040057 3 U
CONSIGNEE 2585 KOPPE	RS INDUSTRIES, INC.		CITY & STATE	PORTLAND	OR	F	ROUTÉ CODE
BILL TO NAME KOPPE	RS		CITY & STATE	COLUMBUS	OH	l s	. 00.D.
COMMODITY NO. SHIPPING UNITS	KIND OF PACKAGING SPECIAL MAF	, DESCRIPTION O			NET WEIGHT (Subject to Correction)	RATE	CHARGES
134 1.00 160 161	PENCIL PITCH CHEMTREC EMERGENC NUMBER 1-800-424- RQ HAZARDOUS SUBS	Y RES			970280		
162 163 164	RQ HAZARDOUS SUBS ORM-E HM #UN-307 CONTAINS ACRIDINE	7			7/2		
165	ANTHRACENE & PHEN	ANTHR				**************************************	
CARRIER'S LIABILITY FOR LOST LIMITS SET FORTH IN CARRIER'S	OR DAMAGED FREIGHT IS LIMITED BY CARRIE BRULES TARIFF, CLAIMS MUST BE FILED WITH	R'S RULES TARI	FF WHICH IS IN	CORPORATED BY REFE	ERENCE. SHIPPER SHAL	L FILE ALL CLAIMS	WITHIN THE TIME
SHIPPER SIGNATURE:	. /	LOADING	DRIVER DI	noma		PILOT CARS O	NE TWO
	Howard	98	1/2/00	TIME ARRIVED	STARTEDLOADIN	NG TIM	130
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STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED pubjo	ct to the classifica	ations and lawfully filed	tariffs in effect on the date of	fissue of this Bill of I	Lading		ВШс	of Lading Number
PROM: Koppers I],	T: Longview, WA		/2 DATE: 10/14/0	4	2004	005236
The property described b	alow, is apparent good	order, except as acced (contents	and condition of contents of packages	unknown), marked, coreigne	ed and destined as indic	med below, which	Freigt	nt Bapis
usual place of delivery as	said day intrion, if on i	ts own road or the own water lim	nearing any person or componetes in p n. otherwise to deliver to excetter currie ector, and as to each perty at any time	y na the reute to said dustine	sion. It is musually agre	ed, as to each	-	•
	li be subject to all condi	itiens met prohibited by law, who	ther printed or written, here is contained				Prepai	ld
Ship To:			resham Transfer		;		Shippe	ers Order#
Koppers Inc Port 7450 N W St Holes							SN052	36
Portland, OR 9722	29	Carrier / V Sold To:	/ehicle # 19 - 232	-			Custo	mers P.O. Number
		30.2 10.	20-233					
Packages No.	нм	DOT SHIPPING NA	ME/HAZARD CLASS	DESCRIPTION (OF ARTICLES.	SPECIAL	ι	WEIGHT
and Kind			PLICABLE)		RK\$ & EXCEPT			(Subject to Correction)
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·		49 series STCC			/ •		.	
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		WEIGHT IN T	RANSIT				1	
		In order to secur	e prompt payment, a	copy of the bill o	f lading must	be		·
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		Diago forward fo	reight bill and billof la	dina to:				
1		LIESSE IN MEI O	eight om and omoria	anig to.				
Ī		Koppers Inc.						
1		c/o Cass Informa	tion Systems					
		P.O. Box 182038 Columbus, OH 4	13218-2038					
İ		Columbus, Oli	3210 2030					
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ED	CED CENCY	CONTACT: CAL	L CHEMTREC 1-800	0 494 0300 OP 1	202 492 761	FAV 1 9	200 243	7420
Subject to Section 7 of Con	ditions of applicable bi	Il of lading, if this shipment is	"Note: Where the rate is dependent	on value, shipper's are requi	ired to stere			CE ADDRESS OF SHIPPER:
that pigs the following state	onen: The carrier sh	n the consignor, the consignor all not make delivery of this	epocifically in writing the released of declared value of the property is her	eby stated by the shipper to I		Koppers Ind	ustrics.	Inc.
Alpacet villout paymes Signature		_	170 cents per pounds for each distri	nution beckage."	,	436 Seventh	Avenue	•
Of Consignor per This is to certify that the ab	See # bu		• Shipper berby certifies that this sh	i praemi is correctly described	i; correct weight is	Pittsburgh, F	'A 152	19-1800
described, seckaged, marke transportation according to	or one beautiful and are	proper condition for	shown and is subject to verification	according to agreement with				Agent
Transportation.	milal		Howard &	y chall		Per		}
reformand			more /		1			

Signature of Shipper's agent next above is also intended as execution of Section 7
Signature above must appear in longhand

		•	A manager	
Person	SELLER BUYER		DATE	
VEROCIL	ADDRESS			
Vitch	CITY	STATE	ZIP	
#249		08:45 AM 07 05 06 C	904003	
		35480 LB		GROSS
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	GITAL WEIGHT INDIC	A OK & PRIMIER	68980	
PORT OF LONGVIEW	· 10 PORT WAY	· LONGVIEW, WA 9	8632-7739	

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		(COMBINE	D UNIFORM	STRAIGHT BILL	OF LADING	G AND FRE	GHT BILL ORIG	INAL •	NOT NEGO	TIABLE		•	
				Portla	and Bulk Dispatch	500	3-255-7902	Fax: 503-255-92	245		;	Seattle	206-878-79	80
	2011 59 014	TANKFEE IN	•	Portla	and Heavy Haul Di	ispatch 500	3-255-7904	Fax: 503-257-90	28		Seatt	le Fax:	206-878-02	29
		_	OR 97024		and Nationwide W		0-727-7900				e Nationwide		800-727-79	;
noted (any pe destina every s	RECEIVED, st contents and rson or corpora ition. It is mutu service to be po Shipper hereby ed for himself	abject to the condition of condition in posses ally agreed a erformed here and his assign	arrier's rules ontents of pa ssion of the s to each ca under shall he is famili is.	s and rate tariff an ackages unknown property under th urrier of all or any be subject to all t ar with all the bill	d other pricing agreer), marked, consigned, e contract) agrees to c of, said property over he bill of lading terms of lading terms and c	ments in effect, and destined carry to its usuall or any portand and condition conditions in the	on the date of as indicated at al place of deliv- tion of said rou- in the governin- ne governing ca	the issue of this Bill of ove which said carried ery at said destination, and grassification on the prier's rules, tariff and	f Lading, the r (the word n, if on its ro as to each date of ship I the said to	e property descri- carrier being un ute, otherwise to party at any time priment. erms and conditi	bed above in a derstood through deliver to anoth interested in a ons are hereby		od order, excep contract as mea on the route to f said property, by the shipper	ot as ning said that
10-	758211	2	1767	12/06	T9-249	TRAILER	[#] 249				ě	P.O.,#		
		REILL'	Y IND	RUSTRIE	s ,		CITY & STATE	LONGVIE	W	WA			40052	57
CONS	2985	KOPPE	RS IN	DUSTRIE	S, INC.		CITY & STATE	PORTLAN	D	OF	· ···	ROUTE	CODE 1	
KOI	PPIT BI	KOPPE	RS		8,		CITY & STATE	COLUMBU	S	OF	ı	C.O.D.	. 0	0
CODE	NO. SHI UNI			Kul	VIÐ ÖF PACKAGING, DE SPECIÁL MARKS					T WEIGHT t to Correction)	RATE		CHARGES	
134 160 161 162		1.00	CHE	BER 1-8	CH MERGENCY 00-424-9 US SUBST	300				Q(2)				
163 164 165	and the second s		CON	-E HM TAINS A	#UN-3077 CRIDINE, & PHENA				100					
CARRI	ER'S LIABILITY SET FORTH I	FOR LOST ON CARRIER'S	OR DAMAGE RULES TAP	ED FREIGHT IS LI	MITED BY CARRIER'S ST BE FILED WITHIN	RULES TARIF 270 DAYS FRO	F WHICH IS IN	CORPORATED BY RI	FERENCE	SHIPPER SHAL	L FILE ALL CLA	MS WITH	IN THE TIME	
SHIPP	ER SIGNATU	RE:		1		LOADING	DRIVER	mort			PILOT CARS	ONE (0
			14	rwale	(DATE	Kela	TIME ARRIVED		STARTED LOADI	NG	TIME LEFT	00:	
RECEIVE	GNEE SIGNA D ABOVE FREI		71			UNLOADIN	IG DRIVER	curac	1		PILOT CARS	ONE (OWT C	\Box
IN GOOL	O ORDER.		1/2	101		DATE	Moor.	TIME ARRIVED		STARTED UNLOA	ADING	TIME LEFT	25	

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STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subje	ect to the classifica	tions and lawfully filed	I tariffs in effect on the date	of issue of this Bill of L	ading		Bill of Ladin	ıg Number
FROM: Koppers I	inc.		AT: Longview, WA		DATE: 167	16-06	2004005259	
The property described it said company (the word usual place of dalivery at carrier of all or any of sa	pelow, in apparent good company being underset to said destinations, if on it is grouperly over all or east by subject to all coads shipper and accepted for thand in a Road	order, except as acred (content od throughout this contract as a own road or tap own water the y portion of said route to desti tions act problished by law, white impact and the septyre. Route: G	a and condition of comman of package meaning may person or corporation in meaning may person or corporation in an observation to deliver to enother tent and loss, and as to such party in any time other printed or written, herein costs it resharm Transfer Vehicle # / 9 - 2 / 2 / 0 - 2 /	peasensies of the property inde the os the route to said destinat- te interested in all or any of said ined, including classification bil-	d and destined as indi or the contract) agrees ion. It is amountly agr I property, that every:	period below, which to corry to its reed, as so each service to be	Freight Basis Prepaid Shippers Order SN05259 Customers P.O.	
Packages No.	НМ	DOT SHIPPING N	AME/HAZARD CLASS	DESCRIPTION O				VEIGHT
and Kind		(JF AP	PLICABLE)	MAR	KS & EXCEP	TIONS	(Subject	to Correction)
1 DT	RQ	CLASS 9 NA30 ELECTRODE 1 2899868 MARKED: 307	BINDER 7 CH HARD PENCIL	BENZ(A,Ĥ)ANT	HRACENE	, 1982	G T N	
. ~ .		In order to secu			lading mus		- <u> </u>	And the second s
		Please forward in Koppers Inc. c/o Cass Informs P.O. Box 182038 Columbus, OH		lading to:		;		·
EN	MERGENCY	CONTACT: CAL	LL CHEMTREC 1-8	00-424-9300 OR 1-	-202-483-761	6 FAX 1-8	00-242-7428	
Subject to Section 7 of Cot to be delivered to the cross shall sign the following us shall saign the following us shall seet without payment Signature Of Commigner pay. This is to carrify that the ab	nditions of applicable bif gase without recourse of fement: The currier shat at of freight and all oth See in be over automa renterials are	of lading. If this shipment is the consignor, the consignor all nor make delivery of this ar lawful charges.	"Note: Where the rote is depende specifically in writing the releases declared value of the property is in 170 cases pur pounds for each dist • Shipper herby cartifies that this	nt on value, shipper's are requir i or declared wake of the peoper oreby spaced by the shipper to be rebution punkage."	ed so stars ty. The agreed or a not exceeding	Koppers Indi 436 Seventh	Det-office address ustrics, Inc.	OF SHIPPER:
described, packaged, market presponenties according to Transportation/ PER Source	the applicable regulation		shows and is subject to verificatio inspection Boreau having jurisdict	n according to agreement with the form.		Per		Agent

STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subje	ect to the classific	ations and lawfully filed	tariffs in effect on the date of	fissue of this Bill of L	ading	Bill of Lading	Number:
		1	्रक्री सर्वे	1	DATE: /6-/6-06	2004005258	
sold sompany (the word usual place of delivery a currier of all or any of se	below, in apparent good company being unders It axid destination, if on aid property over all or	d order, except as noted (consents tood throughout this centract as a its own road or its own water his any portion of said rivite to death	meaning any parton or corporation in p in, otherwise to deliver to another corri nation, and as to each party at any time	unissown), marked, consigned seemsion of the property under or the reste so said descinati- interested in all or any of said	I and dustined as indicated below, which is the contract) agrees to carry to its on. It is martelly agreed, as to each property, that every service to be		
performed insecusion stu- learney agreed to be the	all be subject to all constitute of El	delons not prohibited by law, wh or biniself and his amigns.	ether primed et welten, berein contain	ed, including classification bill	le of lading conditions, which are	Prepaid	···
Ship To: Koppers Inc Por	rland	Route: G	resham Transfer			Shippers Order	i
7450 N W St Hele	ns Road			110		SN05258	
Portland, OR 972	29	Carrier / Sold To:	Vehicle # 19 - 29 20 - 29	19	•	Customers P.O. !	Number
Packages No. and Kind	НМ		AME/HAZARD CLASS PLICABLE)		F ARTICLES, SPECIAL KS & EXCEPTIONS	1	EIGHT to Correction)
1 DT	RQ	CLASS 9 NA30 ELECTRODE F 2899868 MARKED: 3077	BINDER 7 CH HARD PENCIL 4941180	BÉNZ(A,H)ANT		G T N	
ET	MERGENCY	Please forward for Koppers Inc. c/o Cass Informa P.O. Box 182038 Columbus, OH 4	reight bill and bill of I	the freight bills wading to:	ill be returned unpaid	800-242-7428 POST-OFFICE ADDRESS	OF SUPPORT.
to be delivered to the comb	gace without recourse	on the consignor, the consignor half not make delivery of this	specifically in writing the released declared value of the property is he	or declared value of the propert	ty. The agreed or		UP OMITTERS
ikipment without payme Signature	nt of freight and all od	her lawish charges.	170 occus per pounds for each distri		Koppers In	idustries, Inc. th Avenue	
Of Cossignor Der	See★b	elow				PA 15219-1800	
This is to certify that the all lescribed, packaged, mark tensportation according to 'ramportation.	ed and labeled and are t the applicable regulation	n proper condition for one of the Department of	Shipper herby carriffes that this at shows and is subject to verification impection Bureau having jurisdiction	according to agreement with the	correct weight is	*	Agent
Es Horn	med 39	rilace	Myn Call	· 	Per		

[★] Signature of Shipper's agent next above is also intended as execution of Section 7
Signature above must appear in longhand

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		COMBINED UNII	FORM STRAIG	SHT BILL OF L	ading an	ID FRE	IGHT BILL	ORIGINAL	 NOT NEGO 	TIABLE	•	
		1	Portland Bulk	Dispatch	503-25	5-7902	Fax: 503-2	255-9245	1		Seattle	206-878-7980
	WY SHAN TEANSFER IN		Portland Hear	vy Haul Dispatc	h 503-25	5-7904	Fax: 503-2	257-9028	1.	Seat	tle Fax:	206-878-0229
	P.O. BOX	K 699 N. OR 97024		onwide WATS	800-72		•		l Seat	le Nationwide	WATS	800-727-7980
								. 50 (1):				
noted (conte	IVED, subject to the control of control of corporation in possible is mutually agreed at the performed here to be performed here of the corporation to the corporation of the corporatio	carrier's rules and rate contents of packages	tariff and other pr unknown), marked	icing agreements in consigned, and de	n effect on the estined as inc	e date of dicated al	the issue of the bove which sai	is Bill of Ladin d carrier (the	ig, the property desc word carrier being u	nbed above in a nderstood throug	pparent go hout this	ood order, except as contract as meaning
any person of destination.	or corporation in possi It is mutually agreed a	ession of the property as to each carrier of a	under the contract Il or any of, said p) agrees to carry to roperty over all or a	any portion of	ce of deliverse of said rou	very at said de: te to destination	sunation, if on on, and as to (its route, otherwise teach party at any tin	o deliver to anoi le interested in a	ner camer all or any o	on the route to said of said property, that
every service Shippe	e to be performed her er hereby certifies tha	eunder snall de subje It he is familiar with a	ct to all the bill of lading	ading terms and co terms and conditio	namon in the ns in the gov	eming ca	ig classification amier's rules, t	anifiand the s	or snipment. aid terms and condi	ions are hereby	agreed to	by the shipper and
accepted for	SU	DATE	TRUCK #	Įπ	RAILER#						P.O. #	
10-758		10/12/0	<u>19-2</u>	249	20-24							
SHIPPER	7 REILL	Y INDRUS'	TRIES	* .		& STATE	LONG	VIEW	W	A ' '	SHIPPE	RB.L.#
CONSIGN 25					CITY	& STATE	2022				ROUTE	CODE
		RS INDUS	TRIES,	INC.			PORT	LAND	0	К		T
KOPP:		RS	· ·		CITY	& STATE	COLU	MBUS		H	C.O.D. \$. 00
CODE CODE	NO. SHIPPING UNITS			CKAGING, DESCRIP CIAL MARKS AND E				(8	NET WEIGHT Subject to Correction)	RATE		。 CHARGES
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	and the second s	and the second second second										and the second s
CARRIER'S LIMITS SET	LIABILITY FOR LOST FORTH IN CARRIER'S	OR DAMAGED FREIG S RULES TARIFF. CL/	IHT IS LIMITED BY NMS MUST BE FIL	' CARRIER'S RULE ED WITHIN 270 DA	S TARIFF WH YS FROM TH	IICH IS IN	CORPORATE	D BY REFERE	NCE. SHIPPER SHA	LL FILE ALL CLA	IMS WITH	IN THE TIME
SHIPPER S	IGNATURE:	1	1	ro	ADING DRIVE	R		1	···	PILOT CARS	ONE () two()
		1-101.10	. \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Devi		TIME ARRIVE		STARTED LOAD	ING	TIME LEFT	\bigcirc
		Howa	-		10/16	106	13.3	0	Journal Cont		15	15
CONSIGNE RECEIVED AB	E SIGNATURE: OVE FREIGHT			UN	LOADING DR	MER	com	est.		PILOT CARS	ONE () two()
IN GOOD ORD	DER.	Yul	16.00	DA	1/16	100	TIME ARRIVE		STARTED UNLO	ADING	TIME LEFT	

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TARE

03: 34 PM 07 05 06 004009

108240 LB NET

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DRIVER ON OFF WEIGHED BY

DIGITAL WEIGHT INDICATOR & PRINTER

PORT OF LONGVIEW 10 PORT WAY LONGVIEW, WA 98632-7739

SELLER BUYER

ADDRESS.

CITY___

DATE



STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading						Bill of Lading	Number :
FROM: Koppers Inc.	AT: I	ongview, WA		DATE O	17-06	2004005256	
The property described below, it, apparent good order, except said company (the word company being understood throughs usuall place of delivery at mild destination, if on to own road carrier of all or any of eald property over all or any porsion of performed harvander shall be subject to all conditions not prohenous the property over the conditions not prohenously appear to be the shopper and accorpted for hissostif and	as noted (corrects and cos if this contract as receasing if to ewa water line, otherw said route to destination, a	ndirion of contents of packages to any person or corporation in po- wise to deliver to another carrier and as to each party at any time is	escesion of the property use ron the rouse to mid dustina accressed in all or any of se	and and dystined as indicated der the contract) agrees to a stion. It is summelly agreed, id property, that every serv-	below, which any to its as to each on to be	Freight Basis Prepaid	
Ship To:	Route: Greshan					Shippers Order	
Koppers Inc Portland 7450 N W St Helens Road						SN05256	
Portland, OR 97229	Carrier / Vehicle	on 19-297	9		t	Customers P.O.	Number
·^·	Sold To:	19-247	•				
Packages No. HM DOT S	HIPPING NAME/ (IF APPLIC	HAZARD CLASS ABLE)		OF ARTICLES, SP RKS & EXCEPTION		1	ÉIGHT to Correction)
(CO)		ed substance O(A)PYRENE,DE GIII				G T N	
28998 MAR (CAR 49 set	KED: 3077	IARD PENCIL - 4 11180	12200001	Ĺť	790	100	
Please Koppe c/o Ca P.O. E	ed to all Prepai	•	he freight bills t				
EMERGENCY CONT. Subject to Section 7 of Conditions of applicable bill of Indias.		HEMTREC 1-800				0-242-7428 ST-OFFICE ADDRESS	OF SHIPPER:
to be delivered to the consigner without recourse on the consign shall sign the following statement: The courses shall not make this panet without payment of freight and all other lawful ch Signature	or, the consignor speci delivery of this docta	ifficelly is writing the released or ared value of the property is here cases per pounds for each distrib	r declared value of the prop- sby stated by the shipper to	berry. The agreed or be not exceeding K	oppers Indu 36 Seventh	stries, Inc. Avenue	
Of Consignor per See * below This is to certify that the above named records are properly of	mided con	oper herby consides that this shi	nament la companie Asserti		ittsburgh, PA	<u>4 15219-1800</u>	
These is to curricy can be above seemes received any proper con- transportation according to the applicable regularious of the Dep Transportation according to the applicable regularious of the Dep	tion for show	opper herby certifies that this gall is and in authors to verification in critical Barraru having jurisdiction	ecording to agreement with	t the Weighing and			Agent

^{*} Signature of Shipper's agent next above is also intended as execution of Section 7
Signature above must appear in longhand

12:55 PM 10 17 06 000007 35180 LB **GROSS** TARE NET 01:55 PM 10 17 06 000008 103140 LB -100140 EB TR WEIGHED BY 0 LB HET Koppers009858 **DIGITAL WEIGHT INDICATOR & PRINTER** PORT OF LONGVIEW · 10 PORT WAY · LONGVIEW, WA 98632-7739

SELLER BUYER

ADDRESS

19-249 20-249

DATE_

STATE

ZIP

COMBINED UNIFORM STRAIGHT BILL OF LADING AND FREIGHT BILL ORIGINAL . NOT NEGOTIABLE 503-255-7902 Fax: 503-255-9245 Portland Bulk Dispatch 206-878-7980 Portland Heavy Haul Dispatch 503-255-7904 Fax: 503-257-9028 Seattle Fax: 206-878-0229 PO BOX 699 Portland Nationwide WATS 800-727-7900 Seattle Nationwide WATS FAIRVIEW, OR 97024 800-727-7980 RECEIVED, subject to the carrier's rules and rate tariff and other pricing agreements in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said route to destination, and as to each party at any time interested in all or any of, said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and condition in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing carrier's rules, tariff and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns. TRAILE #251 PO # 10/17/06 T4×249 10-758565 82 CITY & STATE SHIPPER B.L. # REILLY INDRUSTRIES LONGVIEW WA 2004005250 CITY & STATE ROUTE CODE OR KOPPERS INDUSTRIES. INC. PORTLAND BILL TO NAME KOPPIT KOPPERS CITY & STATE C.O.D. COLUMBUS OH . 00 COMMEDIT NO SHIPPING KIND OF PACKAGING, DESCRIPTION OF ARTICLES. NET WEIGHT RATE CHARGES UNITS SPECIAL MARKS AND EXCEPTIONS (Subject to Correction) CODE 134 1:00 PENCIL PITCH CHENTREC EMERGENCY RES 160 NUMBER 1-800-424-9300 161 RO HAZARDOUS SUBSTANCE 162 163 ORM-E HM #UN-3077 164 CONTAINS ACRIDINE 165 ANTHRACENE & PHENANTHR CARRIER'S LIABILITY FOR LOST OR DAMAGED FREIGHT IS LIMITED BY CARRIER'S RULES TARIFF WHICH IS INCORPORATED BY REFERENCE. SHIPPER SHALL FILE ALL CLAIMS WITHIN THE TIME LIMITS SET FORTH IN CARRIER'S RULES TARIFF. CLAIMS MUST BE FILED WITHIN 270 DAYS FROM THE DATE OF DELIVERY. SHIPPER SIGNATURE: PILOT CARS ONE Two (STARTED LOADING TIME LEF TIME ARRIVED CONSIGNEE SIGNATURE: PILOT CARS Two (ONE RECEIVED ABOVE FREIGHT IN GOOD ORDER. TIME ARRIVED STARTED UNI OADING TIME LEFT

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•	COMBINED UNIFORM STRAIGHT BILL	OF LADING AND FREIC	HI BILL ORIGINAL	NOT NEGOTI	ABLE	
	& 🐟 Portland Bulk Dispatch	503-255-7902	Fax: 503-255 - 9245		Seattle	206-878-7980
P.O. BO	Portland Heavy Haul Dis	spatch 503-255-7904	Fax: 503-257-9028		Seattle Fax:	206-878-0229
	w, OR 97024 Portland Nationwide W/	ATS 800-727-7900		Şeattle	Nationwide WATS	800-727-7980
RECEIVED, subject to the	carrier's rules and rate tariff and other pricing agreem	ents in effect on the date of th	e issue of this Bill of Ladin	a, the property describe	ed above in apparent	good order, except as
noted (contents and condition of any person or corporation in poss	contents of packages unknown), marked, consigned, ession of the property under the contract) agrees to c	and destined as indicated abo	ve which said carrier (the voy at said destination, if on	word carrier being unde its route, otherwise to d	rstood throughout this	contract as meaning er on the route to said
destination. It is mutually agreed every service to be performed he	carrier's rules and rate tariff and other pricing agreem contents of packages unknown), marked, consigned, ession of the property under the contract) agrees to c as to each carrier of all or any of, said property over reunder shall be subject to all the bill of lading terms at he is familiar with all the bill of lading terms and o	all or any portion of said route and condition in the governing	to destination, and as to e classification on the date of	each party at any time i f shipment.	nterested in all or any	of said property, that
accepted for fillisell and his assign	uns	TRAILER #	iers rules, tanti and the si	and terms and condition	s are nereby agreed t	
10-758565 9 1	DATE 10/17/06 19-249	20-249			P.O. #	
SHIPPER 6797 REILL	Y INDRUSTRIES	CITY & STATE	LONGVIEW	. WA	SHIPP	04005357
CONSIGNEE KOPPE	ERS INDUSTRIES, INC.	CITY & STATE	PORTLAND	OR	ROUT	E CODE
BILL TO NAME KOPPE		CITY & STATE	COLUMBUS	ОН	C.O.D \$_	. 00
COMMODITY NO. SHIPPING UNITS	KIND OF PACKAGING, DE SPECIAL MARKS	SCRIPTION OF ARTICLES, AND EXCEPTIONS	, ,	NET WEIGHT Subject to Correction)	RATE	CHARGES
134 1.00	PENCIL PITCH					
160	CHEMTREC EMERGENCY	RES		1/10		
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163	ORM-E-HM-#UN-3077		/	//		المان المستقد المان الداعة وسيم <u>ساء المان</u> المان المستقد المان الداعة المان المان المان المان المان المان المان المان المان المان المان المان المان المان
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CARRIER'S LIABILITY FOR LOST LIMITS SET FORTH IN CARRIER'	OR DAMAGED FREIGHT IS LIMITED BY CARRIER'S S RULES TARIFF. CLAIMS MUST BE FILED WITHIN 2	RULES TARIFF WHICH IS INC	ORPORATED BY REFERE	NCE. SHIPPER SHALL	FILE ALL CLAIMS WIT	HIN THE TIME
SHIPPER SIGNATURE:	1.	LOADING DRIVER	inoit		PILOT CARS ONE	() two()
	Howard -	DATE VZING	IME ARRIVED	STARTED LOADING	TIMELE	The state of the s
CONSIGNEE SIGNATURE: RECEIVED ABOVE FREIGHT		UNLOADING DRIVER	mod		PILOT CARS ONE	Owo()
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GRESHAM) PENCIL PITCH	SELLER BUYER	DAT	E 10.17.06		
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	•	35260 LB	GROSS		
		09:10 AM 10 17 06 000004	TARE	1	•
		106420 LB	NET	•,	
		35260 LB TR			
DRIVER	ON OFF WE	71160 LB NET			
ם	IGITAL WEIGHT INDI	CATOR & PRINTER	·		
PORT OF LONGVIE	W · 10 PORT WAY	Y · LONGVIEW, WA 98632-	7739		
					

STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subj	ect to the classific	ations and lawfully filed	tariffs in effect on the date of	issue of this Bill of Lad	ing	Bill of Ladin	g Number
FROM: Koppers	Înc.	ا ا	T: Longview, WA	ا ا	ATE: 10-17-04	2004005257	
The property described	below, in appendix good	ordez, except se noted (consente	and condition of contents of parkages teasing any person or corporation in pr	unknows), marked, consigned as	of destined as indicated below, which	Freight Basis	
used place of delivery a carrier of all or eay of a performed harmooder sh	s said demination, if on sid property over all or s all be subject to all cond	its own road or its own water lim any portless of sale souts to destin ittimes not prohibited by law, who r homest and bip assigns.	e, etherwise to deliver to swether carrie techna, and as to each party as any time i ather printed or written, basein contains	r on the rosse to said destination. Incorasted in all or any of said pro	h le motrelly agreed, so to coch spany, that every service to be	Prepaid	
Ship To: Koppers Inc Por	tland	Route: G	resham Transfer		,	Shippere Order	#
7450 N W St Held	ns Road		Vehicle # 19 - 24	0		SN05257	
Portland, OR 972	29	Sold To:	20-24			Customers P.O.	Number
Packages No. and Kind	НМ		AME/HAZARD CLASS PLICABLE)		articles, special S & exceptions		/EIGHT to Correction)
1 DT	RQ	CLASS 9 NA307 ELECTRODE E 2899868 MARKED: 3077	BINDER 7 CH HARD PENCIL - 4 - 4941180	BENZ(A,H)ANTH	racene)	G T N	
		attached to all Pi	•	the freight bills wil	_		
			LL CHEMTREC 1-800			800-242-7428 POST-OFFICE ADDRES	A OF CHIPPED.
to be delivered to the constant sign the following an ablesteen without payme Signiture	ignes without recouns a steracus: The covrier si at of freight ead all of	*	"Prote: Where the rate is dependent specifically in writing the relatified declared value of the property is len 170 cents per pounds for each distrib	r deciseed value of the property. eby stated by the shipper to be no	The agreed or or exceeding Koppers Inc. 436 Seventi	fustries, Inc. Avenue	o of shiffer
Of Constance per Time is to certify that the si	See * b		Shipper herby curtifies that this shi	present is correctly described: cor		PA 15219-1800	
described, parkaged, merk transportation according to Transportation	ed and inheled and are to the applicable regulation	e proper condition for one of the Department of	shown and is subject to verification (Inspection Burens having jurisdiction	seconding to agreement with the			Agent
HE Town	and my	(Call	TER TOCH	Go Call	Per		

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	COMPINED UNIFORM STRAIGHT BUIL	OFLADINO	AND FOE	OUT BUIL OBIOIN	AL . NOT NECO	TIADI C		
	COMBINED UNIFORM STRAIGHT BILL	2.5		•				
CHESHAN PLANSFEP IN	Portland Bulk Dispatch	· [Fax: 503-255-9245			attle 206-878-7980	
P.O. BOX				Fax: 503-257-9028	i	Seattle I		
FAIRVIEV	v. on 97024 Portland Nationwide V	VATS 800-	727-7900		' Seattl	e Nationwide W	ATS 800-727-7980	
accepted for minister and his assig				he issue of this Bill of La ove which said carrier (t ery at said destination, if e to destination, and as g classification on the da rier's rules, tariff and th	ading, the property describe word carrier being un on its route, otherwise to to each party at any time te of shipment. e said terms and condition			
10-758642 21	176/19/06 T9 [™] 249	TRAILER#2	251			\f	O. #	
SHIPPER 797 REILL	Y INDRUSTRIES	C	STATE & YTK	LONGVIEW	W		HIPPER B.L. # 700400538/	
CONSIGNEE KOPPE	RS INDUSTRIES, INC.		TY & STATE	PORTLAND	OF	t i	OUTÉ CODE	
ROPPIT KOPPE	RS		STATE & YTK	COLUMBUS	OF	i	.O.D.	
COMMODITY NO. SHIPPING CODE UNITS	KIND OF PACKAGING, I SPECIAL MARK	DESCRIPTION OF A S AND EXCEPTION			NET WEIGHT (Subject to Correction)	RATE	CHARGES	
134 160 161 162 163 164 165	PENCIL PITCH CHEMTREC EMERGENCY NUMBER 1-800-424-9 RQ HAZARDOUS SUBST ORM-E HM #UN-3077 CONTAINS ACRIDINE, ANTHRACENE & PHENA	ANCE			Me,			
	CARRIER'S LIABILITY FOR LOST OR DAMAGED FREIGHT IS LIMITED BY CARRIER'S RULES TARIFF WHICH IS INCORPORATED BY REFERENCE. SHIPPER SHALL FILE ALL CLAIMS WITHIN THE TIME LIMITS SET FORTH IN CARRIER'S RULES TARIFF. CLAIMS MUST BE FILED WITHIN 270 DAYS FROM THE DATE OF DELIVERY.							
SHIPPER SIGNATURE:		LOADING DE	RIVER	emsol		PILOT CARS O	NE() TWO()	
	Howarer	JOV.	9 kg	TIME ARRIVED	STARTED LOADII	NG TIM	1.45	
CONSIGNEE SIGNATURE: RECEIVED ABOVE FREIGHT		UNLOADING		cuat.			NE TWO	
IN GOOD ORDER.	& topping	DATE	9 /4	TIME ARRIVED	STARTED UNLOA	ADING TIM	11:30	

	♣ . 6	. D	ATE
* 249	SELLER		
*	ADDRESS		
		STATE	ZIP
		09:41 AM 10 19 06 00004	i GROS
	·	102680 LB	
	•	35740 LB TR	TARÉ
		66940 LB NET	NET
	DRIVER ON OFF W	EIGHED BY	
	•		. š
•	DIGITAL WEIGHT IND	ICATOR & PRINTER	
PORT	OF LONGVIEW . 10 PORT WA	Y LONGVIEW, WA 9863	2-7739

Koppers009864

STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subje	et to the classifier	ations and lawfully filed	tariffs in effect on the date of	issue of this Bill of I	ading		Bill of L	ading Number
FROM: Koppers I	inc.	ا	T: Longview, WA		DATE: / 0	19-06	2004005	381
The preparty described to said company (the word o	glow, in appeaus good company being underste	order, except as noted (contents and throughout this contract as o	and condition of consents of packages a	scaesion of the property und	ed and destined as indi- for the agent set) agrees	metad below, which to carry to fu	Freight Be	sia
carrier of all or any of sal parformed beneater skal	id property over all or a Il be subject to all condi	ny partion of said routs to destin Hiero not prohibited by law, who	e, otherwise is deliver to another certies selos, and se to cach party at any time i ather printed or written, herein contains	interested in all or eay of sal	d property, that every	service to be	Prepaid	
Shirp To:			resham Transfer 🚾				Shippers (Order#
7450 N W St Heier	s Road		/ehicle # 19-24	Y			SN05381	
Portland, OR 9722	; y	Sold To:	20-249	· y				P.O. Number
Packages No.	НМ	Toom entering his	ME/HAZARD CLASS	DESCRIPTION (OF A DTICT PR	PRECIAL	PO 3934	WEIGHT
and Kind	nm.		PLICABLE)	DESCRIPTION (rks a excep		(50	ibject to Correction)
1 DT	RQ	_	LATED SUBSTANCE ENZO(A)PYRENE,DII 17 PGIII	•)	G T N	
		ELECTRODE E 2899868 MARKED: 3077 (CARBON PITO 49 series STCC =	CH HARD PENCIL - 4 - 4941180 	12200001	(ale)	140		
		attached to all Pr	e prompt payment, a c epaid freight bills or t reight bill and bill of la	he freight bills v				
		Koppers Inc. c/o Cass Informa P.O. Box 182038 Columbus, OH 4	•			,		
			L CHEMTREC 1-800					
te be delivered to the consist shall eign the following stat slagments without paymen Signature Of Consignor per	pace without recourse of tenant: The carrier ship of freight and all other ships are selected to the selected tenant and all other selected tenants.	elow	"Note: Where the rate is dependent specifically in writing the relement a declared value of the property is here 170 censs per pounds for each distrib	r destared value of the prope thy stated by the shipper to b	rty. The agreed or	Koppers Ind 436 Seventh Pittsburgh, P	ustries, Inc. Avenue	BOO
This is to curtify that the abo described, pechaged, marks transportation according to t	d sad Imbeled and are in	proper condition for	 Shipper herby certifies that this shi shows and in subject to verification of Inspenden Buryau having jurisdjetion 	scourding to agreement with				Agent
Tramportation	1 Guse		. Hound !	Melall		Per		•
Classes af Chi								

SELLER BUYER ADDRESS CITY STATE ZIP 02: 42 FM 10 19 06 000053 GROSS 105980 LB TARE 35400 LB TR 70480 LB NET NET DRIVER ON OFF WEIGHED BY DIGITAL WEIGHT INDICATOR & PRINTER PORT OF LONGVIEW 10 PORT WAY LONGVIEW, WA 98632-7739	- \$7 - \$7	DAT	ΓE	
CITYSTATEZIP				
02:42 FM 10 19 06 000053 GROSS 105880 LB TARE 35400 LB TR 70480 LB NET NET DRIVER ON OFF WEIGHED BY	ADDRESS			
105880 LB TARE 35400 LB TR 70480 LB NET DRIVER ON OFF WEIGHED BY DIGITAL WEIGHT INDICATOR & PRINTER	CITY	STATE	ZIP	
105880 LB TARE 35400 LB TR 70480 LB NET DRIVER ON OFF WEIGHED BY DIGITAL WEIGHT INDICATOR & PRINTER	 			
35400 LB TR 70480 LB NET DRIVER ON OFF WEIGHED BY DIGITAL WEIGHT INDICATOR & PRINTER	! :	02:42 PM 10 19 06 000053	GR	oss
DRIVER ON OFF WEIGHED BY			TAI	RE
DIGITAL WEIGHT INDICATOR & PRINTER			NE	т
DIGITAL WEIGHT INDICATOR & PRINTER				
	DRIVER ON OFF V	VEIGHED BY		. S.
PORT OF LONGVIEW · 10 PORT WAY · LONGVIEW, WA 98632-7739	DIGITAL WEIGHT IND	DICATOR & PRINTER		
	PORT OF LONGVIEW 10 PORT W	AY · LONGVIEW, WA 98632	-7739	

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	Portland I	Bulk Dispatch 🗼	\ \\\ 503	3-255-7902	Fax: 503-255-924	5	Se	attle 206-878-7980
P.O. BO	- Portland	Heavy Haul Dispa	tch 503	3-255-7904	Fax: 503-257-902	8	Seattle	Fax: 206-878-0229
	W, on 97024 Portland I	Nationwide WATS	800	727-7900		l Seattle	e Nationwide W	ATS 800-727-7980
RECEIVED, subject to the	carrier's rules and rate tariff and oth	er pricing agreements	s in effect	on the date of t	he issue of this Bill of L	ading, the property descri	bed above in appa	rent good order, except as
noted (contents and condition of cany person or corporation in possi	carrier's rules and rate tariff and oth contents of packages unknown), ma ession of the property under the con as to each carrier of all or any of, sa eunder shall be subject to all the bil the is familiar with all the bil of la	rked, consigned, and tract) agrees to carry	destined to its usua	as indicated ab	ove which said carrier (ery at said destination, i	the word carrier being un f on its route, otherwise to	derstood throughou deliver to another	t this contract as meaning carrier on the route to said
destination. It is mutually agreed a every service to be performed her	as to each carrier of all or any of, so eunder shall be subject to all the bil	aid property over all of l of lading terms and	r any port condition	ion of said rout in the governing	e to destination, and as classification on the d	s to each party at any time ate of shipment.	e interested in all o	r any of said property, that
accepted for nimself and his assic	ns.			MJO-	mer's rules, tariff and th	ne said terms and condition		
10-758642 802	DATE 10/19/06 19	CK# 1-249	TRAILER /	251				20.#
SHIPPER REILL	Y INDRUSTRIES			CITY & STATE	LONGVIEW	i WA		SHIPPER B.L. #
				CITY & STATE				7004005385
	RS INDUSTRIES,	INC.			PORTLAND	OF	<u> </u>	
KOPPIT BILL TO NAME KOPPE	RS			CITY & STATE	COLUMBUS	S OH	I S	.00
COMMODITY NO. SHIPPING UNITS	KIND OI	PACKAGING, DESCR	RIPTION OF	ARTICLES,	1 .	NET WEIGHT (Subject to Correction)	RATE	CHARGES
			EXOL IN	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(Caujest to Controllery		
134 1.00 160	PENCIL PITCH		ES-					and the second and an analysis of the
161	NUMBER 1-800	-424-930	0-		· · · · · · · · · · · · · · · · · · ·	10480	,	
162	RO HAZARDOUS ORM-E HM #L	SUBSTAN	CE			ZX)		· · · · · · · · · · · · · · · · · · ·
164	CONTAINS ACE	IDINE.			and the second of the second of the second		e ta	er an er medalaggil. I was in the
165	ANTHRACENE 8	PHENANT	HR					,
CARRIER'S LIABILITY FOR LOST OR DAMAGED FREIGHT IS LIMITED BY CARRIER'S RULES TARIFF WHICH IS INCORPORATED BY REFERENCE. SHIPPER SHALL FILE ALL CLAIMS WITHIN THE TIME LIMITS SET FORTH IN CARRIER'S RULES TARIFF. CLAIMS MUST BE FILED WITHIN 270 DAYS FROM THE DATE OF DELIVERY.								
SHIPPER SIGNATURE:	1		LOADING	ORIVER	unnt		PILOT CARS C	NE TWO
1.10	waed		OATE /	19/06	TIME ARRIVED	STARTED LOADII	NG TIM	14.145
CONSIGNEE SIGNATURE: RECEIVED ABOVE FREIGHT			UNLOADIN	G DRIVER	erus G		PILOT CARS C	NE TWO
IN GOOD ORDER.			DATE	10/10	TIME ARRIVED	STARTED UNLOA	ADING TIM	IE LEFT
	- Myses		10	17/00	16.00			160:45

From: KOPPERS LOGIŞTICS

STRAIGHT BILL OF LADING - SHORT FORM ORIGINAL - NOT NEGOTIABLE

RECEIVED, subje	ct to the classifica	ations and lawfully filed	tariffs in effect on the date of	of issue of this Bill of L	ading		Bill of Lading	Number
FROM: Koppers I	nc.		T: Longview, WA	1	DATE: 10 -	19-06	2004005383	
The property described by said company (the word of usual place of delivery at carrier af all or any of sai performed hereunder she	elow, in apparent good it company being understor said destination, if on it d property over all or or il be subject to all condi-	order, except as noted (contents to odd throughout this contract as mets own wants lieu my portion of said route to desire, island not prohibited by law, when	sed condicion of contonts of package: examing any person or corporation in it, otherwise to deliver to another carri- stion, and as to each yeary at any time ther printed or wristen, herein costali	s unknown), warked, consigned possession of the property unde ler on the route to said destinati a interested in all or say of said	d and cleatined as indicate or the contract) agrees to ion. It is structelly agreed i property, that every serv	nd below, which corry to he I, as to each rice to be	Freight Basis Prepaid	
hereby surrent to be the d Ship To:	nipper and accepted for		esham-Transfer				Shippers Order	,
Koppers Inc Port								
7450 N W St Heles Portland, QR 9722		Camier / V	ehicle # 19-24	19			SN05383 Customers P.O.	Vumber
Postalia, OK 9722		Sold To:	20-29	9			PO 3936	
Packages No. and Kind	нм		ME/HAZARD CLASS PLICABLE)	DESCRIPTION O	of articles, Si rks & excepti		1 .	EIGHT to Correction)
1 DT	RQ				THRACENE)	c Λ	G T N	
·		MARKED: 3077 (CARBON PITC 49 series STCC =	TH HARD PENCIL - • 4941 180 — ANSIT•		70,4		•	
			e prompt payment, a epaid freight bills or					
		Please forward for Koppers Inc. c/o Cass Informa P.O. Box 182038 Columbus, OH 4		iading to:				
PA	AFRGENCY		L CHEMTREC 1-80	10-424-9300 AP 1	-202-483-7616	FAV 1-9	00-242-7428	
Subject to Section 7 of Con to be delivered to the consi	ditions of applicable bilgner without recourse of tenent: The carrier ship of freight and all other sections.	Il of lading, if this shipment is the consignor, the consignor talk not make delivery of this ner lawful charges.	"Next Where the rate is depended specifically in writing the released declared value of the property in h 170 cases per pounds for each dist	nt on vahis, shipper's are requir or declared value of the prope creby stated by the shipper to b fibution peckage,"	red to state rry. The agreed or the not exceeding	FERMANENT FO Koppers Indi 136 Seventh	ost-office address ustries, Inc.	S OP SHIPPER:
described, packaged, marks transportation according to Transportation.	d and labeled and are in	n proper coadition for res of the Department of	shown and is subject to verification laspection Bureau having jurisdies	o socording to agreement with t	the Weighing and			Agent
my Homan	d popula	6 K	PER Formal	Jul -		er		

Signature of Shipper's agent next above is also intended as execution of Section 7 Signature above must appear in longhand

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	P.O. BOX FAIRVIEW	Porti	and Bulk Dispatch and Heavy Flaul Disp and Nationwide WAT	atch 50		Fax: 503-2 6 -92 Fax: 503-257-90	28		tle Fax: 2	06-878-798(06-878-022(00-727-798(
RECEIV noted (content any person or destination. It every service Shipper	ED; subject to the case and condition of co- corporation in posses is mutually agreed as one performed herein hereby certifies that the assign of the assign.	urrier's rules and rate tariff an Intents of packages unknown Ision of the property under the to each carrier of all or any under shall be subject to all he is familiar with all the bit S.	nd other pricing agreement), marked, consigned, and contract) agrees to care of said property over all the bill of lading terms and of lading terms and core				Lading, the property desc (the word carrier being un if on its route, otherwise to s to each party at any tim date of shipment. the said terms and conditi	ribed above in an inderstood throug o deliver to anoli ne interested in a ions are hereby	oparent good hout this con her carrier on Il or any of sa agreed to by	order, except a tract as meaning the route to sa aid property, the the shipper ar
10-758	1511	DATE 10/19/06	TRUCK # 232	TRAILER 20-	[#] 233				P.O. #	
SHIPPER	7 REILLY	/ INDRUSTRI	ES		CITY & STATE	LONGVIE	W W	A	200	10053
соизіди	E KOPPEÎ	RS INDUSTRIE	ES, INC.		CITY & STATE	PORTLAN	D O	R	ROUTE CO	DDE 1
KOPPI	T KOPPE	?5			CITY & STATE	COLUMBU	B . O	Н	C.O.D.	00
COMMODITY N	IÓ. SHIPPING UNITS	· KI	ND OF PACKAGING, DESC SPECIAL MARKS AT				NET WEIGHT (Subject to Correction)	RATE		CHARGES
134 160 161 162 163 164 165	1.00	NUMBER 1-6 RQ HAZARDO ORM-E HM	MERGENCY 300-424-93 DUS SUBSTA #UN-3077 ACRIDINE,	00 NCE			67180			
		R DAMAGED FREIGHT IS L RULES TARIFF. CLAIMS MU	IMITED BY CARRIER'S R IST BE FILED WITHIN 27	ULES TARII 0 DAYS FR	F WHICH IS INC OM THE DATE OF	ORPORATED BY RE	FERENCE. SHIPPER SHA	LL FILE ALL CLA	IMS WITHIN	THE TIME
SHIPPER SIG	INATURE:	and -		LANDING PATE	19 // A	+ Dire	STABILED LOAD	PILOT CARS	ONE TIME LEFT) TWO
CONSIGNEE RECEIVED ABO IN GOOD ORDE		1		UNITO ADJ	att	IME ARRIVED	STARTED UNIC	PILOT CARS DADING	ONE () TWO(

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	CRE TENU SELLER BUYER	DAT , ,	E		
	*1232 ADDRESS	STATE 02:48 PM 10 19 06 000054	ZIP		
		39540 LB	And the second	GROSS	
		03:55 PM 10 19 06 000056 106720 LB 39540 LB TR		TARE	
	DRIVER ON OFF W	67180 LB NET			
<u> </u>	DIGITAL WEIGHT IND	CATOR & PRINTER			
Xoppers009870	PORT OF LONGVIEW · 10 PORT WA	Y • LONGVIEW, WA 98632-	-7739	un parament i the market was seen .	
R7(1			

4122272778

STRAIGHT BILL OF LADING – SHORT FORM ORIGINAL – NOT NEGOTIABLE

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of taste of this Bill of Lading							Bill of Lading Number		
FROM: Koppers I		1.	To Lamendam WA		DATE: /0-/9	-06	2004005384		
The preparty described be	slow, in appearant good o	rder, except as noted (contents	T: Longview, WA and condition of noncess of packages u	riknown), marked, consign	nd and dustical as indicated b	elow, which	Freight Basis		
usual place of delivery as	paid destination. If on its	s gwo reed or its own water line	icaning any person or corporation in po a schemise to deliver to enother carrier ation, and as to each perty at any time is	do the route to still destine	cion, is in musually agreed, m	s to cach			
performed hereunder shell hereby agreed to be the pl	I be subject to all conditi	ions not prohibited by New, Whe immelf and his exsigns.	ther printed or written, harde comules	f, including desailication bi	lly of taking conditions, which	sb ere	Prepaid		
Ship To: Koppers Inc Port	land	Route, Ga	resham Transfer				Shippers Order	ii .	
7450 N W St Heler Portland, OR 9722	ns Road	C ()	Ashiela # 19-232				SN05384 Customers P.O.	Number	
Porband, OR 9722		Sold To:	/ehicle # 19-232 28-233					Mamper	
							PO 3937		
Packages No.	НМ		ME/HAZARD CLASS PLICABLE)		OF ARTICLES, SPE RKS & EXCEPTION			EIGHT to Correction)	
1 DT	RQ	OTHER REQUI (CONTAINS BE CLASS 9 NA307 ELECTRODE E 2899868 MARKED: 3077	LATED SUBSTANCE ENZO(A)PYRENE,DII 77 PGIII BINDER CH HARD PENCIL - 4 = 4941180	s, solid, n.o. Benz(a,H)an	.S.	30	G T N	TO COFFECTION	
		Please forward f Koppers Inc. c/o Cass Informs P.O. Box 182038 Columbus, OH	43218-2038	the freight bills	will be returned	unpaid.			
		CONTACT: CA	LL CHEMTREC 1-80				800-242-7428 POST-OFFICE ADDRE	RE OF CHIPPER.	
to be delivered to the cons	ignee without recourse o moment: The earrier sk	n the consignor, the consignor all not make delivery of this	spesifically is writing the released of declared value of the groperty is let 170 cents per pounds for each distri	or deplaced value of the prop ruby stated by the shipper to	perty. The agrend or be not exceeding K.	oppers ind 36 Seventi	fustries, Inc. h Avenue	oo or and the	
Of Consigner per This is to certify that the si	See # b	e properly classified.	Shipper herby mertifies that this al	ipment is correctly describe	od; correct weight is	ittsburgh, l	PA 15219-1800		
described, packaged, mark stansportation according to	ed and labeled and are in	a proper condition for	Shows and is subject to verification Impection Bureau having jurisdiction	according to spreament wit	th the Weighing and			Agent	
Transportation.	(54 clase	<u>.</u>	m Hausen S	MCCO	Ye Pe	ır			

[★] Signature of Shipper's agent next above is also intended as execution of Section 7
Signature above must appear in longhand

Ba#587634

Nov 28, 2002 Shipment # 9884

BNSF

CARS AND WEIGHTS:

CAR#	WEIGHT (ST)	INNAGE (FT)	DATE
• ARPX001073	96.32	24.50	11/27/2002 7:35:26PM
° BN 459246 \	_f . 91.25	25.90	11/27/2002 7:52:32PM
BN 456241	95.68	24.50	11/27/2002 8:09:28PM
• BN 456181	93.98	25.10	11/27/2002 8:28:10PM
• BN 456233 /	97.84	24.10	11/27/2002 8:44:16PM
• BN 455287	95.76	24.90	11/27/2002 10:29:22PM
BN 459195	97.64	23.70	11/27/2002 11:01:02PM
ARPX001059	97.78	24.60	11/27/2002 11:18:18PM
⁹ BN 459166	97.77	24.60	11/28/2002 12:21:28AM
BN 459148	97.83	23.80	11/28/2002 12:36:23AM
* ARPX002028 > 2-1-	95.89	24.80	11/28/2002 12:53:03AM
* BN 459451	97.80	23.50	11/28/2002 1:08:54AM
° ARPX001012	96.15	25.20	11/28/2002 1:26:48AM
•A.D.DY001070 /.	07 50	24 20	1.1/28/2002 . 1-42:50AM .

66440 Nor

106240 LB

Viter #19-232

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(P)	COMBINED UNIFORM STRAIG	HT BILL OF LADIN	GAND FREIC	HT BILL ORIGIN	AL •-NOT NEGO	TIABLE	
	Portland Bulk	Dispatch 1 1 50	3 255-7902	Fax: 503-255 - 9245	· • • • • • • • • • • • • • • • • • • •	Seat	tle 206-878-7980
THE THE THE NOTE OF IN	Portland.Heav	v Haul Dispatch 50	16		Comp.	Seattle Fa	x: 206-878-0229
P.O. BO	x 699 w. OR 97024 Portland Natio	*1	0-727-7900	· #24		e Nationwide WAT	S 800-727-7980
	7						
RECEIVED, subject to the	carrier's rules and rate tariff and other pricontents of packages unknown), marked, ession of the property under the contract) as to each carrier of all or any of, said preunder shall be subject to all the bill of latt he is familiar with all the bill of lading to	ing agreements in effect consigned, and destined	on the date of the	e issue of this Bill of Li	ding, the property descri	bed above in apparer derstood throughout to	nt good order, except as
any person or corporation in poss destination. It is mutually agreed	ession of the property under the contract)	agrees to carry to its usu	al place of deliver	y at said destination, if to destination, and as	on its route, otherwise to	deliver to another ca interested in all or a	rrier on the route to said
every service to be performed her Shipper hereby certifies the	reunder shall be subject to all the bill of la	ding terms and condition	in the governing	classification on the da	te of shipment. e said terms and condition	ons are hereby agree	d to by the shipper and
accepted for nimself and this assis	JUS					PO	
10-758567	Ŷ\$/19/06 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	32 "270"-	[#] 233			1,	`."
SHIPPER REILL	Y INDRUSTRIES		CITY & STATE	LONGVIEW	WA	sły	門門が大つつる
	.1 INDRUSTRIES	-	V	LUNUVIEN			1405509
CONSIGNEE KOPPE	RS INDUSTRIES, I	NC.	CITY & STATE	PORTLAND	ΩR	₹	UTE CODE 1
BILLTONAME T BILLTONAME	pc		CITY & STATE	COLUMBUS	OH	C.C	D.D 00
	, <u>, , , , , , , , , , , , , , , , , , </u>		<u> </u>	CULUMBUS	·	<u> </u>	
COMMODITY NO. SHIPPING UNITS	KIND OF PACI	KAGING, DESCRIPTION OF	FARTICLES,	· ·	NET WEIGHT (Subject to Correction)	RATE	CHARGES
The state of the s		A STATE OF THE PARTY OF THE PAR					
134 1.00	PENGIL PITCH CHEMTREC EMERG	ENCY DEG			66440		To the same of the
161	NUMBER 1-800-4	24-9300					
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164	- ANTHRACENE & P	HENANTHR				The same of the sa	
165	ARTIMRODIE G		ح مشتشت				
CARRIER'S LIABILITY FOR LOST	OR DAMAGED EREIGHT IS LIMITED BY	CARRIER'S DI II ES TARI	EE WHICH IS INC	ODDODATED BY DES	BENCE SHIPPED SHAL	I EN E ALL CLANGE	JITHIN THE TIME
LIMITS SET FORTH IN CARRIER	OR DAMAGED FREIGHT IS LIMITED BY S RULES TARIFF. CLAIMS MUST BE FILE	D WITHIN 270 DAYS FRO	OM THE DATE OF	DELIVERY.		- TICE ALE GEAING V	
SHIPPER SIGNATURE:		LOADING	SRIVER 10-	++ 1	A-20-0	PILOT CARS	IE TWO
	1107	DATE		IME ABRIVED	STARTEDLOADIR	_!	
TIVIL			19 Kz 0	A815 !	STARTED LOADIN		30
CONSIGNEE SIGNATURE	111	UNLOAM	DRIVER			PILOT CARS ON	EO TWO
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IN GOOD ON DEAT.		DATE	19 mis	TME ARRIVED	STARTED UNLOA	ADING TIME	ぞ
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STRAIGHT BILL OF LADING – SHORT FORM ORIGINAL – NOT NEGOTIABLE

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading							Bill of Lading Number		
FROM: Koppers In	06 2	2004005382							
		Freight Basis							
umed stage of desirant at another of parts of part and	taid destination, if on its furuperty over all or no	own road or its own water line, portion of said route to desine	and condition of corrects of packages to seeing any person or corporation in go, otherwise to deliver to another certa- stion, and as to cash party as any time in their primed or written, herein contained	on the routo to said destina sterested in all or any of sal	tion. It is municily egreed, as d property, that every service t	to each to be			
Ship To	200 7	Prepaid Coden d							
Koppers Inc Porti		RDIAE. ON	esham Transfer			- I	Shippers Order #		
7450 N W St Helen Portland, OR 9722		Carrier / Vi	chicle # /9-232	_			N05382 Customers P.O. Number		
		Sold To:	ehicle # /9 - 232 20 - 233	7		P	°O 3935		
Packages No. and Kind	HM		ME/HAZARD CLASS PLICABLE)		OF ARTICLES, SPEC RKS & EXCEPTION	• -	WEIGHT (Subject to Correction)		
Subject to Section 7 of Core to be defivered to the cost that high the following an abhyment without payment Signature	editions of applicable bil gree withour recourse o tentest: The carrier sh at of freight and all oth	OTHER REQUI (CONTAINS BE CLASS 9 NA307 ELECTRODE B 2899868 MARKED: 3077 (CARBON PITC 49 series STCC = *WEIGH IN TR. In order to secure attached to all Pr Please forward fr Koppers Inc. c/o Cass Informat P.O. Box 182038 Columbus, OH 4 CONTACT: CAI 1 of fuling, if this shipment is the condignor, the condignor th and make delivery of this cr bowful charges.	LATED SUBSTANCE NZO(A)PYRENE,DII POIII INDER CH HARD PENCIL - 4 - 4941180 ANSIT* e prompt payment, a cepaid freight bills or teright bill and bill of lates the systems	S, SOLID, N.O. BENZ(A,H)ANT 12200001 12200001 12200001 12200001 12200001 12200001 12200001	of lading must be will be returned unit of size series. The agreed or the not exceeding to the not exceed to the not exceeding to the n	FAX 1-80 WANENT FOS ppers Indus 5 Seventh A	GTN 0-242-7428 Stries, Inc.		
Of Consignor pur This is to partify that the ab	See * b	properly classified,	• Shipper herby certifics that this sh		d: correct weight is	tsburgh, PA	15219-1800		
described, peckaged, marks transportation according to Transportation	the applicable regulation	n) of the Department of	shown and is subject to verification Inspection Bureau having jurisdiction	A. C.	n the Weighting and		Agent		
MR House	d Succe	all	ma Formand	Melall	Per				

Signature of Shipper's agent next above is also intended as execution of Section Signature above must appear in longhand

Intalco's Pitch Inventory at Koppers in Portland, OR 2006



On and	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Opening Inventory pounds	14,879,694	11,003,030	8,242,088	4,675,106	11,090,883	7,835,121
metric tons	6,749.4	4,990.9	3,738.6	2,120.6	5,030.8	3,554.0
	2,1 .2	,,				
Receipts						0.000.004
pounds - vessel	0	0	0	9,400,392	0 0.0	9,026,664 4,094.5
metric tons	0.0	0.0	0.0	4,264.0	0.0	4,094.5
pounds - soft pitch	32,856	30,838	31,398	14,045	49,648	39,809
metric tons	14.9	14.0	14.2	6.4	22.5	18.1
		•				
<u>Shipments</u>	4 000 000	4 005 000	4 007 500		4 700 040	1,889,270
pounds - Intalco	1,828,020	1,085,980	1,887,580	1,281,060 581.1	1,762,340 799.4	1,889,270
metric tons	829.2	492.6	856.2	501.1	799.4	. 657.0
pounds - Wenatchee	2,081,500	1,705,800	1,710,800	1,717,600	1,543,070	2,224,900
metric tons	944.2	773.7	776.0	779.1	699.9	1,009.2
		: ,				
Closing Inventory	44 000 000	0.040.000	4.075.400	44 000 000	7 025 404	12,787,424
pounds	11,003,030	8,242,088	4,675,106	11,090,883	7,835,121 3,554.0	5,800.3
metric tons	4,990.9	3,738.6	2,120.6	5,030.8	3,334.0	5,600.3
YTD Receipts						
pounds - vessel	· 0	0	0	9,400,392	9,400,392	18,427,056
metric tons	0.0	0.0	0.0	4,264.0	4,264.0	8,358.5
pounds - soft pitch	32,856	63,694	95,092	109,137	158,785	198,594
metric tons metric tons	14.9	28.9	43.1	49.5	72.0	90.1
	·		-			
pounds - total	32,856	63,694	95,092	9,509,529	9,559,177	18,625,650
metric tons metric tons	14.9	28.9	43.1	4,313.5	4,336.0	8,448.5
YTD Shipments						
pounds - Intalco	1,828,020	2,914,000	4,801,580	6,082,640	7,844,980	9,734,250
metric tons	829.2	1,321.8	2,178.0	2,759.1	3,558.5	4,415.4
		•				
pounds - Wenatchee	2,081,500	3,787,300	5,498,100	7,215,700	8,758,770	10,983,670
metric tons	944.2	1,717.9	2,493.9	3,273.0	3,973.0	4,982.2
pounds - total	3,909,520	6,701,300	10,299,680	13,298,340	16,603,750	20,717,920
metric tons	1,773.3	3,039.7	4,671.9	6,032.1	7,531.4	9,397.6
	•	•	•	•		•

Table Tabl	Algoa's Pitch Inventory at Koppers Inc, Portland, OR						
Dounds 12,787,424 9,347,151 13,836,487 10,587,107 16,276,443 12,853,283 12,853,2	2006	July	August	September	October	November	December
Receipts		40 707 404	0.047.454	42.020.407	40 507 407	46 076 440	40 052 202
Receipts Pounds - vessel pounds - vessel 0 9,508,336 pounds - vessel 0 9,486,956 pounds - vessel 0 0 pounds - soft pitch pounds - soft pitch pounds - soft pitch retric tons 35,527 pounds - vessel 45,000 pounds - vessel 33,300 pounds - vessel 36,000 pounds - vessel 778,50 pounds - vessel Shipments pounds - Intalco metric tons 1,759,900 pounds - vessel 1,839,500 pounds - vessel 1,766,920 pounds - vessel 1,769,760 pounds - vessel 2,786,100 pounds - vessel pounds - Wenatchee metric tons 1,716,200 pounds - vessel 1,702,600 pounds - vessel 1,702,600 pounds - vessel 1,702,200 pounds - vessel 1,770,5200 pounds - vessel 1,773,5 pounds - vessel 1,772,3 pounds - vessel 0							
pounds - vessel metric tons 0 9,508,336 b	metric tons	5,800.3	4,239.8	6,276.2	4,793.2	7,302.9	5,630.2
metric tons 0.0 4,313.0 0.0 4,393.3 0.0 0.0 pounds - soft pitch metric tons 35,827 metric tons 45,000 metric tons 33,300 metric tons 36,000 metric tons 51,800 metric tons 77,850 metric tons Shipments pounds - Intalco metric tons 1,759,900 metric tons 1,839,500 metric tons 1,085,880 metric tons 1,766,920 metric tons 1,769,760 metric tons 2,786,100 metric tons pounds - Wenatchee metric tons 1,716,200 metric tons 1,702,600 metric tons 1,708,000 metric tons 2,046,700 metric tons 1,705,200 metric tons 1,374,200 metric tons 0.0 metri	Receipts						
pounds - soft pitch metric tons 35,827 45,000 33,300 36,000 51,800 77,850 36.3 Shipments pounds - Intalco metric tons 1,759,900 1,839,500 1,085,880 1,766,920 1,769,760 2,786,100 1,283,800 1,702,600 1,702,600 1,702,600 1,702,600 1,702,700 1,702,700 1,704,700 1,705,200 1,374,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200,200 1,200,200,200 1,200,200 1,200,200 1,200,200 1,200,200,200 1,200,200 1,200,200	pounds - vessel	0	9,508,336	0	9,486,956	0	
Material closs 16.3 20.4 15.1 16.3 23.5 35.3	metric tons	0.0	4,313.0	0.0	4,303.3	0.0	0.0
Shipments pounds - Intalco metric tons 1,759,900 1,839,500 1,085,880 1,766,920 1,769,760 2,786,100 metric tons pounds - Wenatchee metric tons 1,716,200 1,702,600 1,708,000 2,046,700 1,705,200 1,374,200 metric tons 1,705,200 1,374,200 metric tons 1,521,900.0 508,800.0 0.0 <td>pounds - soft pitch</td> <td>35,827</td> <td>45,000</td> <td>33,300</td> <td>36,000</td> <td>51,800</td> <td>77,850</td>	pounds - soft pitch	35,827	45,000	33,300	36,000	51,800	77,850
pounds - Intalco metric tons 1,759,900 1,839,500 1,839,500 1,88,880 1,766,920 1,769,760 2,786,100 pounds - Wenatchee metric tons 1,716,200 1,702,600 1,708,000 2,046,700 1,705,200 1,374,200 pounds - Warrick metric tons 1,521,900.0 508,800.0 0.0 0.0 0.0 Closing Inventory pounds 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239,8 6,276,2 4,793.2 7,382.9 5,830.2 3,978.4 YTD Receipts pounds - vessel 18,427,056 27,935,392 27,935,392 37,422,348	metric tons	16.3	20.4	15.1	16.3	23.5	35.3
pounds - Intalco metric tons 1,759,900 1,839,500 1,839,500 1,88,880 1,766,920 1,769,760 2,786,100 pounds - Wenatchee metric tons 1,716,200 1,702,600 1,708,000 2,046,700 1,705,200 1,374,200 pounds - Warrick metric tons 1,521,900.0 508,800.0 0.0 0.0 0.0 Closing Inventory pounds 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239,8 6,276,2 4,793.2 7,382.9 5,830.2 3,978.4 YTD Receipts pounds - vessel 18,427,056 27,935,392 27,935,392 37,422,348	Shipments						•
metric tons 798.3 834.4 492.6 801.5 802.8 1,263.8 pounds - Wenatchee metric tons 1,716,200 1,702,600 1,708,000 2,046,700 1,705,200 1,374,200 metric tons 778.5 772.3 774.7 928.4 773.5 623.3 pounds - Warrick metric tons 1,521,900.0 508,800.0 0.0 0.0 0.0 Closing Inventory Dounds 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 YTD Receipts 790unds - vessel 18,427,056 27,935,392 27,935,392 37,422,348 37,422,348 37,422,348 37,422,348 37,422,348 16,974.7 16,		1,759,900	1,839,500	1,085,880	1,766,920	1,769,760	2,786,100
metric tons 778.5 772.3 774.7 928.4 773.5 623.3 pounds - Warrick metric tons 1,521,900.0 508,800.0 0.0 0.0 0.0 Closing Inventory pounds metric tons 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 YTD Receipts pounds - vessel 18,427,056 27,935,392 27,935,392 37,422,348 37,422,348 37,422,348 metric tons 8,358.5 12,671.4 12,671.4 16,974.7 <td>•</td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td>	•		•				
metric tons 778.5 772.3 774.7 928.4 773.5 623.3 pounds - Warrick metric tons 1,521,900.0 508,800.0 0.0 0.0 0.0 Closing Inventory pounds metric tons 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 YTD Receipts pounds - vessel 18,427,056 27,935,392 27,935,392 37,422,348 37,422,348 37,422,348 metric tons 8,358.5 12,671.4 12,671.4 16,974.7 <td>pounds - Wenatchee</td> <td>1 716 200</td> <td>1 702 600</td> <td>1 708 000</td> <td>2 046 700</td> <td>1.705.200</td> <td>1.374.200</td>	pounds - Wenatchee	1 716 200	1 702 600	1 708 000	2 046 700	1.705.200	1.374.200
Metric tons Closing Inventory Dounds 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 Metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 Metric tons 8,358.5 12,671.4 12,671.4 16,974.7 17,956.2 181.7 217.0 181.7 17,956.2 181.7 17,956.2 181.7 17,956.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7	•						
Metric tons Closing Inventory Dounds 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 Metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 Metric tons 8,358.5 12,671.4 12,671.4 16,974.7 17,956.2 181.7 217.0 181.7 17,956.2 181.7 17,956.2 181.7 17,956.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7 17,975.2 17,156.3 17,191.7	pounds - Warrick		1.521.900.0	508.800.0	0.0	0.0	0.0
Closing Inventory pounds 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 7TD Receipts 7TD Receipts 70,835,392 27,935,392 37,422,348 <	•						
pounds metric tons 9,347,151 13,836,487 10,567,107 16,276,443 12,853,283 8,770,833 metric tons 4,239.8 6,276.2 4,793.2 7,382.9 5,830.2 3,978.4 YTD Receipts pounds - vessel 18,427,056 27,935,392 27,935,392 37,422,348 37,422,348 37,422,348 metric tons 8,358.5 12,671.4 12,671.4 16,974.7 16,974.7 16,974.7 pounds - soft pitch metric tons metric tons 234,421 279,421 312,721 348,721 400,521 478,371 pounds - total metric tons metric tons metric tons 106.3 126.7 141.8 158.2 181.7 217.0 pounds - total metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments pounds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee metric tons <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
YTD Receipts pounds - vessel 18,427,056 27,935,392 27,935,392 37,422,348 37,422,348 37,422,348 metric tons 8,358.5 12,671.4 12,671.4 16,974.7 16,974.7 16,974.7 pounds - soft pitch metric tons 234,421 279,421 312,721 348,721 400,521 478,371 metric tons metric tons 106.3 126.7 141.8 158.2 181.7 217.0 pounds - total 18,661,477 28,214,813 28,248,113 37,771,069 37,822,869 37,900,719 metric tons metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments 70unds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.		9,347,151	13,836,487	10,567,107	16,276,443	12,853,283	8,770,833
pounds - vessel metric tons 18,427,056 27,935,392 27,935,392 37,422,348 37,422,348 37,422,348 metric tons 8,358.5 12,671.4 12,671.4 16,974.7 16,974.7 16,974.7 pounds - soft pitch metric tons metric tons 234,421 279,421 312,721 348,721 400,521 478,371 pounds - total metric tons metric tons 18,661,477 28,214,813 28,248,113 37,771,069 37,822,869 37,900,719 metric tons metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments 700 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick metric tons </td <td>•</td> <td></td> <td>6,276.2</td> <td></td> <td>7,382.9</td> <td>5,830.2</td> <td>3,978.4</td>	•		6,276.2		7,382.9	5,830.2	3,978.4
metric tons 8,358.5 12,671.4 12,671.4 16,974.7 16,974.7 16,974.7 pounds - soft pitch metric tons 234,421 279,421 312,721 348,721 400,521 478,371 metric tons metric tons 106.3 126.7 141.8 158.2 181.7 217.0 pounds - total metric tons 18,661,477 28,214,813 28,248,113 37,771,069 37,822,869 37,900,719 metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments 7000000000000000000000000000000000000	YTD Receipts						
pounds - soft pitch metric tons 234,421 bitch metric tons 279,421 bitch metric tons 312,721 bitch metric tons 348,721 bitch metric tons 400,521 bitch metric tons 478,371 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 bitch metric tons 479,56,210 b	pounds - vessel	18,427,056	27,935,392	27,935,392	37,422,348	37,422,348	37,422,348
metric tons metric tons 106.3 126.7 141.8 158.2 181.7 217.0 pounds - total 18,661,477 28,214,813 28,248,113 37,771,069 37,822,869 37,900,719 metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments pounds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick 1,521,900.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0 2,030,700.0	metric tons	8,358.5	12,671.4	12,671.4	16,974.7	16,974.7	16,974.7
pounds - total 18,661,477 28,214,813 28,248,113 37,771,069 37,822,869 37,900,719 metric tons metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments pounds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick 1,521,900.0 2,030,700.0 2,030,700.0 9,009.5 9,632.8 pounds - total 24,194,020 29,270,601 32,560,700 36,374,320 39,849,280 44,009,580	pounds - soft pitch	234,421	279,421	312,721	348,721	400,521	478,371
metric tons metric tons 8,464.8 12,798.2 12,813.3 17,132.8 17,156.3 17,191.7 YTD Shipments pounds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick metric tons 1,521,900.0 2,030,700.0	metric tons metric tons	106.3	126.7	141.8	158.2	181.7	217.0
YTD Shipments pounds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee metric tons 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick metric tons 1,521,900.0 2,030,700.0	pounds - total	18,661,477	28,214,813	28,248,113	37,771,069	37,822,869	37,900,719
pounds - Intalco 11,494,150 13,333,650 14,419,530 16,186,450 17,956,210 20,742,310 metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee 12,699,870 14,402,470 16,110,470 18,157,170 19,862,370 21,236,570 metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick metric tons 1,521,900.0 2,030,700.0 2,030,	metric tons metric tons	8,464.8	12,798.2	12,813.3	17,132.8	17,156.3	17,191.7
metric tons 5,213.7 6,048.1 6,540.7 7,342.1 8,144.9 9,408.7 pounds - Wenatchee metric tons 12,699,870	YTD Shipments				•		•
pounds - Wenatchee metric tons 12,699,870 5,760.6 14,402,470 6,532.9 16,110,470 7,307.7 18,157,170 8,236.0 19,862,370 9,009.5 21,236,570 9,632.8 pounds - Warrick metric tons 1,521,900.0 690.33 2,030,700.0 2,	pounds - Intalco	11,494,150	13,333,650	14,419,530	16,186,450	17,956,210	20,742,310
metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick metric tons 1,521,900.0 2,030,700.	metric tons	5,213.7	6,048.1	6,540.7	7,342.1	8,144.9	9,408.7
metric tons 5,760.6 6,532.9 7,307.7 8,236.0 9,009.5 9,632.8 pounds - Warrick metric tons 1,521,900.0 2,030,700.	pounds - Wenatchee	12,699,870	14,402,470	16,110,470	18,157,170	19,862,370	21,236,570
metric tons 690.33 921.12 921.12 921.12 921.12 921.12 pounds - total 24,194,020 29,270,601 32,560,700 36,374,320 39,849,280 44,009,580	•				8,236.0	9,009.5	· ·
metric tons 690.33 921.12 921.12 921.12 921.12 921.12 pounds - total 24,194,020 29,270,601 32,560,700 36,374,320 39,849,280 44,009,580	pounds - Warrick	,	1,521,900.0	2,030,700.0	2,030,700.0	2,030,700.0	2,030.700.0
	•						
	pounds - total	24,194,020	29,270,601	32,560,700	36,374,320	39,849,280	44,009.580
	•						

Intalco's Pitch Inventory at Koppers in Portland, OR 2006

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>
Opening Inventory pounds	14,879,694	11,003,030	8,242,088	4,675,106	11,090,883	7,835,121
metric tons	6,749.4	4,990.9	3,738.6	2,120.6	5,030.8	3,554.0
Receipts		· ,				
pounds - vessel	0	0	0	9,400,392	0	9,026,664
metric tons	0.0	0.0	0.0	4,264.0	0.0	4,094.5
pounds - soft pitch	32,856	30,838	31,398	14,045	49,648	39,809
metric tons	14.9	14.0	14.2	6.4	22.5	18.1
<u>Shipments</u>				· ·		
pounds - Intalco	1,828,020	1,085,980	1,887,580	1,281,060	1,762,340	1,889,270
metric tons	829.2	492.6	856.2	581.1	799.4	857.0
pounds - Wenatchee	2,081,500	1,705,800	1,710,800	1,717,600	1,543,070	2,224,900
metric tons	944.2	773.7	776.0	779.1	699.9	1,009.2
Closing Inventory						
pounds	11,003,030	8,242,088	4,675,106	11,090,883	7,835,121	12,787,424
metric tons	3,738.6	3,738.6	2,120.6	5,030.8	3,554.0	5,800.3
YTD Receipts						
pounds - vessel	0	0	0	9,400,392	9,400,392	18,427,056
metric tons	0.0	0.0	0.0	4,264.0	4,264.0	_. ,8,358.5
pounds - soft pitch	32,856	63,694	95,092	109,137	158,785	198,594
metric tons metric tons	14.9	28.9	43.1	49.5	72.0	90.1
pounds - total	32,856	63,694	95,092	9,509,529	9,559,177	18,625,650
metric tons metric tons	14.9	28.9	43.1	4,313.5	4,336.0	8,448.5
YTD Shipments			•			
pounds - Intalco	1,828,020	2,914,000	4,801,580	6,082,640	7,844,980	9,734,250
metric tons	829.2	1,321.8	2,178.0	2,759.1	3,558.5	4,415.4
pounds - Wenatchee	2,081,500	3,787,300	5,498,100	7,215,700	8,758,770	10,983,670
metric tons	944.2	1,717.9	2,493.9	3,273.0	3,973.0	4,982.2
pounds - total	3,909,520	6,701,300	10,299,680	13,298,340	16,603,750	20,717,920
metric tons	1,773.3	3,039.7	4,671.9	6,032.1	7,531.4	9,397.6

Alcoa's Pitch Inventory at Koppers Inc, Portland, OR						.
2006 Opening Inventory	July	August	September	October	November	December
pounds	12,787,424	9,347,151	13,836,487	10,567,107	16,276,443	12,853,283
metric tons	5,800.3	4,239.8	6,276.2	4,793.2	7,382.9	5,830.2
Receipts						
pounds - vessel	0	9,508,336	0	9,486,956	0	0
metric tons	0.0	4,313.0	0.0	4,303.3	0.0	0.0
pounds - soft pitch	35,827	45,000	33,300	36,000	51,800	77,850
metric tons	16.3	20.4	15.1	16.3	23.5	35.3
<u>Shipments</u>						
pounds - Intalco	1,759,900	1,839,500	1,085,880	1,766,920	1,769,760	2,786,100
metric tons	798.3	834.4	492.6	801.5	802.8	1,263.8
pounds - Wenatchee	1,716,200	1,702,600	1,708,000	2,046,700	1,705,200	1,374,200
metric tons	778.5	772.3	774.7	928.4	773.5	623.3
pounds - Warrick		1,521,900.0	508,800.0	0.0	0.0	0.0
metric tons		690.33	230.79			
Closing Inventory pounds	9,347,151	13,836,487	10,567,107	16,276,443	12,853,283	8,770,833
metric tons	4,239.8	6,276.2	4,793.2	7,382.9	5,830.2	3,978.4
YTD Receipts						•
pounds - vessel	18,427,056	27,935,392	27,935,392	37,422,348	37,422,348	37,422,348
metric tons	8,358.5 N	12,671.4	12,671.4	16,974.7	16,974.7	16,974.7
pounds - soft pitch	₩ (→198,594	243,594	276,894	312,894	364,694	442,544
metric tons metric tons	\$ 901	110.5	125.6	141.9	165.4	200.7
pounds - total	18,628,650	28,178,986	28,212,286	37,735,242	37,787,042	37,864,892
metric tons metric tons YTD Shipments	8,448.5	12,781.9	12,797.0	17,116.6	17,140.1	17,175.4
pounds - Intalco	9,734,250	11,573,750	12,659,630	14,426,550	16,196,310	18,982,410
metric tons	4,415.4	5,249.8	5,742.4	6,543.8	7,346.6	8,610.4
pounds - Wenatchee	10,983,670	\ 12,686,270	14,394,270	16,440,970	18,146,170	19,520,370
metric tons	4,982.2	5,754.5	6,529.2	7,457.6	8,231.0	8,854.4
pounds - Warrick		1,521,900.0	2,030,700.0	2,030,700.0	2,030,700.0	2,030,700.0
metric tons		690.33	921.12	921.12	921.12	921.12
pounds - total	20,717,920	25,792,924	29,084,600	32,898,220	36,373,180	40,533,480
metric tons	9,397.6	11,699.6	13,192.7	14,922.5	16,498.8	18,385.9
	-					

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CERTFICATE OF WEIGHT M/V OSPREY ARROW

Vessel:

Osprey Arrow

Voyage No.

137.000

Request of: Commodity:

Koppers Industries Liquid Pencil Pitch Location: Port:

Koppers Industries
Port of Portland

t: P

TANK	DATE	TIME TE	MP (C°)	DENSITY	GAUGE	M^3	M/TONS	S/TONS
No. 1	22-Oct	7:20	199.4	1.225021	6.092	1797.87	2202.428	2427.758
	22-Oct	21:15 N/A	\	0.000000	17.275	0.00	0.000	0.000
	Total:						2202.428	2427.758
No. 2	22-Oct	7:20	198. 7	1.225340	1.392	1489.41	1825.031	2011.750
	22-Oct	14:00 N/A	\	0.000000	17.195	0.00	0.000	0.000
	Total:						1825.031	2011.750
	GRAND TO	TAL:					4027.459	4439.508
	By Shore	Tank:					4032.499	4445.064
	Difference	•					+5.040	+5.556

ONIGHAI - 13.700



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CERTFICATE OF WEIGHT M/V OSPREY ARROW

Vessel:	Osprey Arrow	Voyage No.	142.00
Request of:	Koppers Industries	Location:	Koppers Industries

Request of: Koppers Industries Location: Koppers Industrie

Commodity: Liquid Pencil Pitch Port: Port of Portland

TANK	DATE	TIME T	EMP (C⁰)	DENSITY	GAUGE	M^3	M/TONS	S/TONS
No. 1	20-Apr	9:40	200.5	1.224519	6.092	3140.92	3846.12	4239.612
	21-Apr	10:00 N	/ A	0.000000	17.237	0.00	0.00	0.000
	Total:						3846.116	4239.612
No. 2	20-Apr	9:40	199.7	1.224884	1.392	2781.91	3407.510	3756.133
	21-Apr	10:00 N	/A	0.000000	17.195	0.00	0.000	0.000
	Total:						3407.510	3756.133
	GRAND TO	TAL:					7253.627	7995.745
	By Shore	Tank:					7254.190	7996.366
	Difference	:					+0.563	+0.621
						original	- 43.630	

SEAPORT MARINE SURVEYS, INC.

Peter Brauns Bs. NS Marine Surveyor





Capt. Peter J. Morrison MAIMS

Peter Brauns Bs. NS.

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CERTFICATE OF WEIGHT M/V OSPREY ARROW

Vessel:

Osprey Arrow

Voyage No.

V140

Request of:

Koppers Industries

Location:

Koppers Industries

Commodity:

Liquid Pencil Pitch

Port:

Port of Portland

TANK	DATE	TIME TE	MP (C°)	DENSITY	GAUGE	M^3	M/TONS	S/TONS
No. 1	24-Dec	4:30	198	1.225659	8.345	2171.32	2661.295	2933.572
	24-Dec	18:45 N/A	1	0.000000	17.205	0.00	0.000	0.000
	Total:						2661.295	2933.572
No. 2	24-Dec	4:30	198.4	1.225477	7.884	1971.83	2416.436	2663.662
	24-Dec	18:45 N/A	\	0.000000	17.245	0.00	0.000	0.000
	Total:						2416.436	2663.662
	GRAND TO	TAL:					5077.731	5597.234
	By Shore	Tank:					5059.021	5576.609
	Difference	:					- 18.710	20.625

ORIGINAL - 33.327



Capt. Peter J. Morrison MAIMS

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CERTFICATE OF WEIGHT SHORE TANK NO. 200

Vessel:

Osprey Arrow

Voyage No.

128

Request of: Commodity:

Koppers Industries Liquid Pencil Pitch Location: Port:

Koppers Industries
Port of Portland

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D	ATE	TIME	TEMP (F°)	DENSITY	GAUGE	GALLONS	M^3	M/TONS	S/TONS
	22-Oct	7:00	399	1,222974	4.37	146918	556.14	680.149	749.735
	22-Oct	23:00	392.5	1.224620	28.08	1016600	3848.25	4712.648	5194.799
Total	l :							4032.499	4445.064
Line	Displaceme	ent:			,			0.000	0.000
Gran	d Total							4032.499	4445.064

SEAPORT MARINE SURVEYS, INC.

By:

Peter Brauns Bs. NS Marine Surveyor

Koppers009885



Capt. Peter J. Morrison MAIMS

Peter Brauns Bs. NS.

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CERTFICATE OF WEIGHT SHORE TANK NO. 200

Vessel:

Osprey Arrow

Voyage No.

128

Request of: Commodity: Koppers Industries Liquid Pencil Pitch Location:
Port:

Koppers Industries
Port of Portland

DATE	TIME	TEMP (F°)	DENSITY	GAUGE	GALLONS	M^3	M/TONS	S/TONS
24-Dec	4:30	400	1.222720	17. 2 6	619723	2345.91	2868.388	3161.853
24-Dec	18:45	396	1.223734	47.02	1711320	6478.05	7927.409	8738.462
Total:							5059.021	5576.609
Line Displacemen	ıt:						0.000	0.000
Grand Total							5059.021	5576.609

SEAPORT MARINE SURVEYS, INC.

By:

Peter Brauns Bs. NS Marine Surveyor



Capt. Peter J. Morrison MAIMS

Peter Brauns Bs. NS.

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CERTFICATE OF WEIGHT SHORE TANK NO. 200

Vessel:

Osprey Arrow

Voyage No.

142

Request of:

Koppers Industries

Location:

Koppers Industries

Commodity:

Liquid Pencil Pitch

Port:

Port of Portland

DATE	TIME	TEMP (F°)	DENSITY	GAUGE	GALLONS	M^3	M/TONS	S/TONS
20-Apr	9:00	398	1.223227	7.51	262093	992.13	1213.599	1337.762
21-Apr	10:15	395	1.223987	50.19	1827595	6918.20	8467.789	9334.128
Total:							7254.190	7996.366
Line Displacemen	ıt:						0.000	0.000
Grand Total							7254.190	7996,366

SEAPORT MARINE SURVEYS, INC.

Peter Brauns Bs. NS Marine Surveyor



KOSCO LIQUID PITCH SHIPPING WEIGHT COMPARISON (INCLUDES BOTH KOPPERS AND INTALCO) OSPREY ARROW RECEIPTS (M. TONS)

		EACH VES	SEL					TOTA	L'S - ALL			
RECEIPT	B/L	VESSEL	SHORE	DIFFE	RENCES	% Diff	B/L	VESSEL	SHORE	DIFFE	RENCES	% Diff
DATE	WEIGHT	TANKS	TANKS	BL vs. VT	BL vs. ST	BL vs ST	WEIGHT	TANKS	TANKS*	BL vs. VT	BL vs. ST	BL vs ST
Dec-99	8681.494	8680.332	8669.62	-1.162	-10.712	-0.12	8681.494	8680.332	8669.62	-1.162	-10.712	-0.12
Feb-00*	8657.354	8660.33	8691.8	2.976	31.47	0.36	17338.848	17340.662	17361.42	1.814	20.758	0.12
April-00*	7517.203	7512.79	7516.04	-4.413	3.25	0.04	24856.051	24853.452	24877.46	- 2.599	24.008	0.10
June-00*	8569.728	8564.29	8547.19	-5.438	<i>-</i> 17.1	-0.20	33425.779	33417.742	33424.65	-8.037	6.908	0.02
Aug-00*	6868.416	6866.201	6831.967	-2.215	-34.234	-0.50	40294.195	40283.943	40256.617	-10.252	-27.326	-0.07
Oct-00*	6074.917	6072.228	6020.771	-2.689	-51.457	-0.85	46369.112	46356.171	46277.388	-12.941	-78.783	-0.17
Dec-00*	4248.376	4253,379	4216.539	5.003	-36.84	-0.87	50617.488	50609.55	50493.927	-7.938	-115.623	-0.23
June-02	6218.896	6219.75	6184.303	0.854	-35.447	-0.57	56836.384	56829.3	56678.23	-7.084	-151.07	-0.27
Oct-02*	4025.7	4027.459	4013.759	1.759	-13.7	-0.34	60862.084	60856.759	60691.989	-5.325	-164.77	-0.27
Dec- 02*	5078.29	5077.731	5044.404	-0.559	-33.327	-0.66	65940.374	65934.49	65736.393	-5.884	-198.097	-0.30
April-03*	7251.56	7253.627	7209.997	2.067	-43.63	-0.60	73191.934	73188.117	72946.39	-3.817	-241.727	-0.33

NOTE: * INCLUDES THE PITCH IN THE UNLOADING LINE

NOTE: THE JUNE 02 THROUGH DEC. 02 WHERE 100% ALCOA/INTALCO PITCH

Koppers009888

Koppers009889

KOSCO LIQUID PITCH SHIPPING WEIGHT COMPARISON (INCLUDES BOTH KOPPERS AND INTALCO) OSPREY ARROW RECEIPTS (M. TONS)

		EACH VES	SEL			TOTAL'S - ALL				
RECEIPT	B/L	VESSEL	SHORE	DIFFER	ENCES	B/L	VESSEL	SHORE	DIFFER	RENCES
DATE	WEIGHT	TANKS	TANKS	BL vs. VT	BL vs. ST	WEIGHT	TANKS	TANKS*	BL vs. VT	BL vs. ST
Dec-99	8681.494	8680.332	8669.62	-1.162	-10.712	8681.494	8680.332	8669.62	-1.162	-10.712
Feb-00*	8657.354	8660.33	8691.8	2.976	31.47	17338.848	17340.662	17361.42	1.814	20.758
April-00*	7517.203	7512.79	7516.04	-4.413	3.25	24856.051	24853.452	24877.46	-2.599	24.008
June-00*	8569.728	8564.29	8547.19	-5.438	-17.1	33425.779	33417.742	33424.65	-8.037	6.908
Aug-00*	6868.416	6866.201	6831.967	-2.215	-34.234	40294.195	40283.943	40256.617	-10.252	-27.326
Oct-00*	6074.917	6072.228	6020.771	- 2.689	-51.457	46369.112	46356.171	46277.388	-12.941	-78.783
Dec-00*	4248.376	4253.379	4216.539	5.003	-36.84	50617.488	50609.55	50493.927	-7.938	-115.623
June-02	6218.896	6219.75	6184.303	0.854	-35.447	56836.384	56829.3	56678.23	-7.084	-151.07
Oct-02*	4025.7	4027.459	4013.759	1.759	-13.7	60862.084	60856.759	60691.989	-5.325	-164.77
Dec- 02*	5078.29	5077.731	5044.404	-0.559	-33.327	65940.374	65934.49	65736.393	-5.884	-198.097
April-03*	7251.56	7253.627	7209.997	2.067	-43.63	73191.934	73188.117	72946.39	-3.817	-241.727

NOTE: * INCLUDES THE PITCH IN THE UNLOADING LINE

NOTE: THE JUNE 02 THROUGH DEC. 02 WHERE 100% ALCOA/INTALCO PITCH

TANK T-200 DATA SHEET

20	76.	7	38

36668.00

30556.67

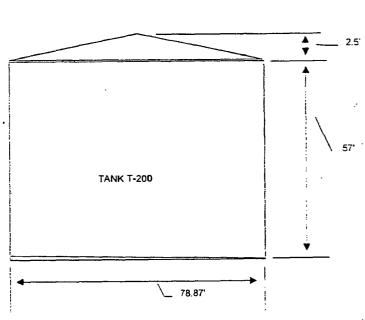
24445.33

18334.00

12223.67

6111.33

EIGHT	GALLONS	HEIGHT	GALLONS	
57'	2.069.016	0 - 1*	36,525.00	33412.33
56'	2,032,491	0 - 11"	33,481.25	
55°	1,995,966 1,959,441	0 - 10"	30,437.50 27,393.75	27501.00
53'	1,922,916	0 - 8"	24,350.00	
52'	1.886.391	0 - 7"	21,306.25	21389.66
51'	1,849,866	0 - 6**	18,262.50	
50'	1,813,341	0 - 5"	15,218.75	15228.33
49'	1,776,816	0 - 4"	12,175.00	
48'	1,740,291	0 - 3"	9.131.25	918700
47'	1,703.766	0 - 2"	6,087.50	
46'	1,667,241	0 - 1"	3.043.75	3055.67
45'	1,630,716	0	0.00	
44'	1,594,191			
43'	1.557,666			
42'	1.521,141			
41'	1,484,616 1,448,091			•
39"	1,411,566			
38'	1,375,041			•
37'	1.338.516			
36'	1,301,991			
35'	1.265,466			
34'	1.228.941			
33,	1,192,416			<u> </u>
32'	1,155,891			<u> </u>
31'	1,119.366			A
30'	1,082.841			
29'	1,046,316			
28' 27'	1,009.791			1 !
26'	973.266 936,741	•		
25'	900.216			
24'	863,691			
23'	827,166			
22'	790.641	TANK T-200		
21'	754,116			,
20'	717.591	.		
19'	681.066	ļ		
18' .	644,541			
17'	608.016			
16'	571,491			
15'	534.966	1		
14' 13'	498.441 461.916		78.87'	
12'	425.391		18.01	į
<u>'</u> 11'	388.866	!		•
10"	352.341			
9'	315.816			
8'	279,291		•	
7'	242.766			
6'	206,241	Tank Volume - based on gravity of 1.3	325 and 40	0°F (10.08#/gall
5'	169.716		Short To	<u>m Metric</u>
4'	133,191	Total Tank Capacity (0' to 57')	10,428	
3'	96,666	Total Usable Capacity (0' to 55')	10,060	
2'	60,447	Minimum Working Capacity (0' to 3')	487	
0.67'	24.228 12.175	Total Working Capacity (3' to 55')	9,573	3 8,8
U.D/	12.1/5	Volume per 1 fnot, above 3'	19.	4 1848



Tank Volume - based on gravity of 1,325 and 400°F (10.08#/gallons)				
	Short Ton	Metric Ton		
Total Tank Capacity (0' to 57')	10,428	9,460		
Total Usable Capacity (0' to 55')	10,060	9,126		
Minimum Working Capacity (0' to 3')	487	442		
Total Working Capacity (3' to 55')	9,573	8,864		
Volume per 1 foot, above 3'	184 184	B 167		
Volume per .1 of 1 foot, above 3'	184 /8.	48 16.7		



Capt. Peter J. Morrison MAIMS

Peter Brauns Bs. NS.

8221 Hazel Dell Avenue, Suite 201

Vancouver, WA 98665

U.S.A.

Office & 24 Hour: (503) 285-2246

Office: (360) 574-7463

Fax: (360) 574-7284 email: survey@seaportmarine.com

Cellular Phone: (503) 957-3429 email: pjm@seaportmarine.com Cellular Phone: (503) 957-3438

email: pb@seaportmarine.com

CERTFICATE OF WEIGHT SHORE TANK NO. 200

Vessel:

Osprey Arrow

Voyage No.

142

Request of: Commodity:

Koppers Industries

Location:

Koppers Industries

Liquid Pencil Pitch

Port:

Port of Portland

DATE	TIME	TEMP (F°)	DENSITY	GAUGE	GALLONS	M^3	M/TONS	S/TONS
20-Apr	9:00	398	1.223227	7.51	261029	988.10	1208.671	1332.330
21-Apr	10:15	395	1.223987	50.19	1816994	6878.07	8418.668	9279.982
Total:						00,00,	7209.997	7947.652
Line Displacemen	ıt:						0.000	0.000
Grand Total							7209.997	7947.652

SEAPORT MARINE SURVEYS, INC.

Peter Brauns Bs. NS Marine Surveyor

M



Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Telephone:

(412) 227-2001 Fax: (412) 227-2423

October 27, 1999

Mr. Brian Walker, Sr. Global Property Specialist Ace USA 1429 Cool Springs Mesquite, Texas 75181

Loss Control Survey Report – Portland RE:

Dear Mr. Walker:

As a follow-up to your July 20, 1999 survey report, please find various plans for the liquid pitch unloading facility/associated expansion at the Portland, Oregon Plant.

See the attached plan list for details and feel free to contact me should you require additional information.

Michael H. Juba, VIH

Manager, Safety & Occupational Health

attachment Ace USA-Portland

C: w/att

Neil Cochenour - Marsh Inc. wo/att Catherine O'Brien - Ace USA Bill Meisinger - Koppers Jim Dietz – Koppers Amos Kamerer - Koppers

RECEIVED

NOV - 1 1999

KOPPERS INDS, INC. PORTLAND OR



Koppers Industries, Inc. 1005 William Pitt Way Pittsburgh, PA 15238

Telephone: (412) 826-3970

FAX: (412) 826-3999

May 5, 1997

GLUMAC INTERNATIONAL 920 Southwest 3rd, Suite 100 Portland, Oregon 97204-2420

Fax transmission to: 503/274-7674, 4 pages. Please copy those listed below.

Attention:

Mr. Steve Strauss, President

Reference:

Koppers, Portland Terminal - April 30 Project Meeting

Dear Steve:

I would like to thank you and your staff for hosting our meeting in your offices last Wednesday. Everyone was very well prepared.

As I know you are assembling our meeting notes, I am forwarding my written notes for your inclusion. The subjects are as follows:

Project Phase Breakout:

Project costs will be broken into three phases. These phases and scope inclusions are as follows:

Phase 1 - Koppers Pitch Unloading and Storage

This includes the following equipment and systems to be shared with all storage tanks: The liquid pitch unloading line from the ship harbor, the fume combuster/hot oil (HTO) heating system, HTO tanks and circulating pumps, fume piping from the existing and new tanks, the main power feed and control system, the pump house and MCC/control room and the nitrogen system.

For Koppers pitch storage: one 6000 Metric ton storage tank, and two pitch pumps and transfer piping to the blending tank. Note that we will install Phase 1 and Phase 2 tank foundations during Phase 1 construction and should be included in Phase 1 costs.

Phase 2 - Poscochem Pitch Storage and Transloading

This includes the following: one 6000 Metric ton storage tank, one truck loading station with fume piping, and one additional pitch pump and transfer piping to the truck loading stand.

Phase 3 - Chinese Pitch Storage

This includes one 6000 Metric ton storage tank with fume piping, and two pitch pumps and transfer piping to the melter tank and Phase 2 loading station.

Please review TarTech's pipeline list and specifications to be sure all lines are included. Also compare estimated lengths, tracing requirements and insulation thicknesses.

Soils Investigation -

- 1. Bill Conley recommended using 80 H-beam piles under each tank. In a subsequent discussion with Jack Tuttle of GeoEngineers, he indicated that grouted piles would provide a better seal from contaminant migration. Ted Philichi will investigate the cost of grouted piles with piling contractors and report the difference. Koppers will consider the cost of these two options before providing a direction for final design.
- 2. Excavation of the site prior to piling will assume that 6' in soil depth will be removed with 2' of replaced good backfill.

Storage Tanks -

- 1. Increase insulation thickness to 8" using two 4" layers.
- 2. Tank bottom will be sloped which may increase concrete ring thickness. Do not provide increased cost for thickness at this time.
- 3. Add one foot to tank wall depth.
- 4. Lightning protection designed for tanks is accepted.

Hot Oil System -

- 1. Include temperature control of oil with stack coil by-pass arrangement.
- 2. Use only two fume streams in the design by combining the new tanks at 200 SCFM and the truck station at 60 SCFM.
- 3. Extend stack height to 45' to avoid interference from surrounding tanks.
- 4. Provide a gas/oil burner system.
- 5. Include hot oil volumes and costs in the facility Phase 1 estimate.

Electrical -

- 1. The pump house area is to be classified Class 1, Group D, Division 2.
- 2. Each pump or blower motor is to have a start/stop pushbutton station with an ammeter in the field. No start/stop buttons are to be provided in the control console.
- 3. The operator control station is to be two PCs running the PLC interface software and program.

Fire Protection -

- 1. Cameron McKernan is to review and report the fire protection requirements at the dock with the city Fire Marshall.
- 2. Koppers will review the rest of the facilitity with our insurance carrier.

Structural Steel -

1. Change bridge over to dock design and estimate to the center piled option.

Please include these comments in your notes. Of course, if you see any errors, please advise. I look forward to receiving the completed estimate on May 9th.

May 5, 1997

Thanks again for your hospitality.

Sincerely,

James T. Dietz, P.E.

Manager of Engineering

cc:

John Duffy -

Jim Laitala, PE -

GLUMAC International **GLUMAC** International

GLUMAC International

Lynn Andrews, PE -Ted Philichi, PE -

Baugh Industrial

Lockwood Greene

Bill Conley, PE -

Jim Johnson -

Electrical Construction Co.

Dick Law -

Ponder Burner

Cameron McKernan - J. Cameron McKernan Co.

Christian Nielsen -

TarTech International

Amos Kamerer -

Koppers Portland

Faxed to 206/635-0706

Faxed to 206/246-5160

Faxed to 503/295-3012

Faxed to 503/286-1871

Faxed to 503/232-7658

Faxed to 011 45 63 31 32 61

KOPPERS_INDUST →→→ PORTLAND

Portland, Oregon

Koppers Industries, Inc

April 2, 1997

BID SPECIFICATIONS VOC THERMAL OXIDIZER AND HEAT RECOVERY SYSTEM - continued

9.0 Drawing and Specification Submittals

This section outlines the required Vendor submittals to the Owner which must be approved.

Owner desires to review and approve all fabrication drawings prior to start of work.

- 9.1 Vendor shall submit with proposal the following information:
 - Description of all equipment as well as a. description of control system. includes interlocks and control panel description.
 - Plan and elevation drawings of a typical thermal oxidizer system.
 - c. Equipment sizing and material of construction.
 - d. Manufacturers to be used for all major control and instrument items such as PIC, control valves, pressure switches, etc.
 - Manufacturers to be used for purge air e. blower.
 - Submittal, fabrication and delivery q. schedule.
 - h. Fill-in all information designated (By ... Vendor) in this specification.
 - i. List any exceptions or deviations from this specification.
 - j. Lump sum price for all equipment specified in this specification.
 - k. Recommended spare parts lists with pricing.
- 9.2 Within two weeks after receipt of order, and prior to fabrication, Vendor shall submit the following for approval by Purchaser:
 - 9.2.1 Required grade foundation plan/anchor bolt layout with equipment loading data.

Koppers Industies, Inc. Portland Terminal Liquid Pitch Unloading and Storage

Thermal Oxidizer

SPEC #

REV 0 PAGE 21 13:41 FAX 412 826 3999

Koppers Industries, Inc

Portland, Oregon

April 2, 1997

BID SPECIFICATIONS VOC THERMAL OXIDIZER AND HEAT RECOVERY SYSTEM - continued

- 9.2.2 To scale plan and elevation drawings indicating assembly of Vendor supplied piping and manifolds. All critical line sizes, dimensions, and Purchaser required tie-points shall be clearly indicated on all drawings.
- 9.2.3 Piping and Instrument Diagram illustrating all line sizes, instrumentation, shutdowns, and interlocks to be provided by Vendor.
- 9.2.4 All submittals for approval shall be three full size prints and one reproducible sepia.
- 9.3 The Owner shall respond within five calendar days to any submittals requiring approval.
- 9.4 Prior to shipment completion, Vendor shall submit all fabrication and shop drawings, revised for as-built conditions, as one reproducible sepia.

Prior to shipment all ASME design and code calculations , U-1 form, and MTR's for seal drums shall be submitted to Owner. Calculations for stack design shall also be submitted to Owner.

- 9.5 Initial operating and maintenance manuals shall be submitted to Owner review four weeks prior to shipment.
- 9.6 The Vendor shall submit the following documentation for Non-Vendor fabricated equipment, instrumentation, and material:
 - a. Operating and maintenance manuals.
 - b. Spare parts lists.

This includes items such as the PLC, control devices, and the air blower.

9.7 Vendor shall submit four (4) sets of all documents requiring approval and five (5) sets of all documents for final reference. All information shall be bound in ring binders.

Koppers Industies, Inc. Portland Terminal Liquid Pitch Unloading and Storage Thermal Oxidizer

SPEC # :

REV 0

22 PAGE

Koppers Industries, Inc

Portland, Oregon

April 2, 1997

BID SPECIFICATIONS VOC THERMAL OXIDIZER AND HEAT RECOVERY SYSTEM - continued

10.0 Equipment Inspection and Testing

- During any phase of the fabrication, Owner shall reserve the right to review all equipment inspections or procedures and, at the Vendor's expense, demand further inspection of any questionable equipment. If this equipment is deemed unsuitable by the Owner, it is the Vendor's responsibility to repair or replace it at the Vendor's expense. This does not in any way relieve the Vendor of his responsibility for the equipment performance.
- 10.2 The Bidder or Vendor must use industry-accepted standard test methods employing qualified personnel for both equipment and piping inspections. Beyond visual inspection, testing methods for each equipment item, instrument, pipeline and electrical system shall be submitted to the Owner for approval.

11.0 Performance Guarantee:

Vendor shall certify that the thermal oxidizer supplied meets the specified performance conditions when the thermal oxidizer is installed according to plans.

The performance testing by the Owner of the equipment will occur only after all construction and start-up activities are complete.

- 11.1 The Owner shall have the sole authority for judging the success or failure of any testing. In the event of failure, the Vendor shall immediately submit a plan to the Owner to revise the equipment at the Vendors expense or operation to comply with the performance warranty. This plan must be approved by the Owner prior to initiating the revisions.
- 11.2 After the revisions are complete, the Owner will run another performance test subject to the instructions of this section.

12.0 Warranty:

12.1 The Vendor shall warrant all equipment, piping, instrumentation and electrical systems in the subsystems to be free from defects in material, workmanship and operation for a period not less than one year. This period shall start on the date of Owner-acceptance of the system performance.

Koppers Industies, Inc.
Portland Terminal
Liquid Pitch Unloading and Storage

Thermal Oxidizer

SPEC # :

REV : 0 PAGE : 23 Koppers Industries, Inc

Portland, Oregon

April 2, 1997

BID SPECIFICATIONS

VOC THERMAL OXIDIZER AND HEAT RECOVERY SYSTEM - continued

Any equipment warranted by the manufacturer for more than one year shall extend this equipment warranty to the manufacturer's time limit.

The Vendor shall, at Owner's option, repair or replace the failed item(s) and again warrant the item for one year from the date of repair or replacement.

- 12.2 Where existing equipment cannot be re-built, the Vendor shall supply exact replacement equipment where possible.
- 12.3 Any equipment requiring major refurbishing shall be done only by third parties who are expressly licensed by the manufacturer to perform the work.
- 12.4 All material supplied will be U.S. origin except where not available. Exceptions must be reported to the Owner for confirmation.

REVISION	DATE	DESCRIPTION
0	4/14/97	Bid Specification

Koppers Industies, Inc.
Portland Terminal
Liquid Pitch Unloading and Storage

Thermal Oxidizer

SPEC # :

REV : 0 PAGE : 24

E : 24

Author: AMOS KAMERER at PITT Date: 2/3/98 6:06 PM

Priority: Normal

TO: Jack Stephenson at TECHCTR Subject: Re: Tank Project

----- Message Contents

Jack, I'm traveling Wed. and Thur., Please call me Friday.
Also, I had a call this afternoon from Spencer about a call they had from American ----, in Ohio and I told them to call you about it tomorrow. Also again, the Spencer guy said they should have given you an estimate of what the volume of material to disposed was, and that he would try to do that before calling you, so if he doesn't mention it, you should.

Amos

Reply Separator ____

Subject: Tank Project

Author: Jack Stephenson at TECHCTR

Date: 2/3/98 10:48 AM

Amos,

I will be in the office until 11:45 your time. Give me a call so we can talk about this project.

Jack S.

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RETURNED YOUR CALL		WILL FAX TO YOU	
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POPS FORM 74E	000	100% REC	YCLED 🛃



FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

TO:	J. Stephenson	Telephone: 503-286-368 DATE: 1/27/98 Fax: 503-285-283
FROM:	Donos	TOTAL # OF PAGES: 5
Ho	exe's Laidlan's	guore
		Next Monday of Tuesday,
		do your review and give
	Us your thought	by then
	,	Thanks.
	•	

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831



January 26, 1998

Mr. Amos Kamerer, Plant Manager Koppers Industries, Inc. 7540 NW St. Helens Rd. Portland, OR 97210

Ph: 503/286-3681 503/286-2831 Fx:

RE: Quotation for the removal of creosol contaminated sludges from tanks number 1.53 and 74 at the Kopper's facility in Portland, Oregon. The loading of the resulting sludge into sludge roll-off boxes and the waste water into a tanker car for transport to LES facilities

for disposal (two options).

Dear Mr. Kamerer.

In accordance with your request, Laidlaw Environmental Services, Inc. (LES) is pleased to submit this quotation to Koppers Industries, Inc. (Koppers) for the referenced work. Our quotation is based on our discussions, our job walk January 15th and our considerable experience. The contents of tank number 1 is known, but neither Koppers or LES knows the specific composition or quantities in tanks number 53 and 74. Because there is no written specifications our proposed scope of work is based on the following project understanding.

Project Understanding:

Tank number 1 is 67 feet in diameter and 25 feet tall. It is out of service and at the time of our job walk it contained approximately 5 to 6 inches of tar like creosol sludge with about a inch of water on top. The top most 2 to 3 inches of the sludge layer appears to be recoverable. Additionally, there are islands of denser sludges near the tank walls and vertical roof supports. Koppers' has estimated the sludge contents of this tank to be 18-20,000 gallons.

LES understands that we are to remove the water, recoverable product and the sludges from tank number 1. The recoverable product and water are to be placed into a Koppers provided rail tanker and the waste sludges is to be contained for shipment to a LES hazardous waste disposal facility. Once all the sludges are removed the tank is to be cleaned to meet change of product standards for the resin industry.

Tank number 53 is a horizontal tank 30 feet long and 9 feet in diameter. It is out of service and at the time of our visit was sealed. LES was unable to see the contents or verify the 40 present full figure provided by Koppers. We were told that the tank contained cresol contaminated sludges from a road spill that occurred in the past. Based on the size of the tank and the provided sludge estimates LES is calculating that this tank contains approximately 2.750 gallons of sludge.

LES understands that we are to remove the tank contents and containerize it for transport and disposal. The composition of the contents will dictate the disposal options available. The tank has little use to Koppers and as such is to be cleaned so it my be scraped.

Tank number 74 is a vertical tank 12 feet in diameter and approximately 35 feet tall. It is also out of service containing creosol contaminated sludges and waste water from a past spill. LES was unable to verify the contents of the tank or the provided quantities. Koppers has told use that the tank contains 3 feet of waste. LES calculates that the tank contains 2,500 gallons of waste water and sludge.

LES understands that we are to remove the contents of the tank and containerize the waste for shipment to one of our disposal facilities. Once the tank is emptied, LES is to clean the tank to scrap and/or product change standards.

page 1

LES has been provided an analytical report representing the sludge within tank number 1 and composites from tank numbers 53 and 74. Based on these findings and guidance from Koppers the subject waste waters and non-waste waters as defined in 40 CFR as carrying the RCRA waste codes D026 and U051 for the waste waters and U051 for the non-waste water sludges. If the waste streams are disposed of within the United States the treatment standards for these waste streams is incineration. If the waste is exported to Canada, it can be treated and land filled in a hazardous waste landfill. LES has both options available to Koppers.

A sample of each of the subject waste streams will need to be sent to the selected LES facility for evaluation and profile approval prior to final acceptance by that facility and shipment of the waste.

Proposed Scope of Work:

Tank number 1.

- LES will establish a controlled work area with defined access point(s). The surface in front
 of the manway, the front of the tank and all associated piping will be covered with visqueen
 to minimize spillage due to our tank cleaning activities.
- Once the tank is tagged out and locked out, LES will vacuum the top layer of water and recoverable product from the tank. A separator equipped "Super Sucker" will provide the vacuum power and the means of placing the recovered materials directly into the provided rail tanker.
- After we have removed all recoverable product, we will remove the remaining sludges using the same "Super Sucker" procedure. This time the sludges will be placed directly into awaiting sludge rolloff boxes (Boxes meet NESHAP standard for organic volatile containing waste).
- 4. Fresh air supplied LES personnel will be in the tank moving the sludge to the vacuum equipment. Once all of the gross contamination is removed, we will pressure wash the inside the tank to the product change industrial clean standard. All cleaning waters will also be removed for disposal.
- Filled LES provided sludge boxes will be sealed and shipped to a LES disposal facility for management.

Tank number 53 and 74.

- 1. After moving our equipment from tank 1 area to tank 53 and tank 74 area, LES will establish a controlled area as described for tank number 1.
- LES will assure these tanks are locked out and tagged out. Once they are secured we will
 open the manways of each and vacuum all the liquid waste waters from the tank using a
 LES vacuum tanker.
- Once all waste waters are removed, we will once again use our separator equipped "Super Sucker" to remove the remainder of the tank(s) sludge. Moving these sludges directly to LES waste rolloff boxes.
- Once all sludges are removed from the tank(s) our personnel will pressure waste the inside of the tanks to meet industrial standards for clean.
- Filled sludge boxes and tanker will be used to ship the subject waste to approved LES disposal facilities.

Proposed Job Timing:

Given the conditions as described and no unforeseen delays or change in job scope, LES can complete Tank number 1 in 7-10 hour work days and tank 53 and 74 in 8-10 hour work days. These time estimates include mob, demob and tank change over days.

Proposed Rates:

Due to the unknowns associated with this project, LES is quoting this work on a time and materials bases. For budgeting convenience we are providing Koppers with a cost estimate for removal of waste from each set of tanks: the transport of the resulting estimated waste volumes, and disposal costs for our LES Aragonite, Utah and LES Samia, Ontario facilies. Numbers provided as a menu of options.

1. Tank number 1.

Labor, Equipment and Supplies; 7-10 hr days @ \$665.00/hr	\$ 46,550.00
Mob and Demob (1 each)	<u>\$ 1,800.00</u>
Subtotal	\$ 48,350.00

Tank numbers 53 and 74.

Labor, Equipment and Supplies; 8-10 hr days @ \$521.00/hr	\$ 41,680.00
Mob and Demob (included in charges for tank 1)	\$ 0.00
Subtotal	\$ 41,680.00

3. Waste Transport: waste from tanks 1, 53 and 74 from Portland to Aragonite, Utah.

Sludge boxes (Set and picked upped); 6 boxes @ \$4,102.00/box	\$ 24,612.00
Box rental; 6 boxes for 15 days @ \$16.50/box/day	\$ 1,485.00
RCRA tanker (1 each) @ \$2,930.00/trip	\$ 2,930.00
Truck demurrage; 14 days @ \$78.00/hr	\$ 1.092.00
Subtotal alternate	\$ 30,119.00

4. Waste Transport: waste from tanks 1, 53 and 74 from Portland to Sarnia, Ontario.

Sludge boxes (Set and picked up); 8 boxes @ \$14,400.00/box	\$115,200.00
Box rental; 8 boxes for 30 days @ \$30.00/box/day	\$ 7.200.00
Subtotal alternate	\$122 400 00

5. Waste Disposal: waste from tanks 1, 53 and 74 to LES Aragonite, Utah.

Waste sludges; approximately 250,500 #'s @ \$0.38/#	\$ 97,850.00
Waste water; approximately 21,000 #'s @ \$0.17/#	\$ 3,570.00
Utah State Disposal fees; 135.5 tons @ \$28.00/ton	\$ 3,794.00
Subtotal alternate	\$105.214.00

6. Waste Disposal: waste from tanks 1, 53 and 74 to LES Sarnia, Ontario.

Waste sludges; approximately 313,125 #'s @ \$0.127/#	\$ 39,767.00
Brokerage fee; 8 loads @ 32.50/load	\$ 260.00
Subtotal alternate	\$ 40,027.00

Quote estimate items 1,2,3 & 5 waste to Aragonite for incineration: \$225,363.00

Quote estimate Items 1,2,4 & 6 waste to Sarnia for treatment and landfill: \$252,197.00 page 3

Please review our alternate transportation and disposal menu as an opportunity to compare costs. Both are legal options.

Thank you once again for this opportunity to assist Koppers with its waste management needs. If you have any question regarding our quotation please contact me at 360/834-1269 or Alex Wood at 503/649-6446.

Sincepely,

Robert Orr, Special Projects

Laidlaw Environmental Services, Inc.

c.c. John Clarke Alex Wood Author: AMOS KAMERER at PITT

Date: 1/9/98 7:38 AM

Priority: Normal

TO: Kevin Fitzgerald at CHIMAIN TO: Jack Stephenson at TECHCTR Subject: TANK CLEANING PROJECT

----- Message Contents -----

We now have 4 bids in on the tank cleaning project. Jack has offered to come into the building Monday AM to meet with us, if you like and your schedule permits. Please advise.

Amos



Cowlitz Clean Sweep, Inc.

340 OREGON WAY, SUITE C. LONGVIEW, WA 98632 (360) 423-6316 FAX (360) 423-3409

January 8, 1997

Mr. T.J. Turner General Foreman Kopper Industries, Inc. 7540 NW St. Helens Road Portland, Oregon 97210-3663

Re:

Creosote Tank Cleaning

Portland, Oregon

Dear Mr. Turner:

Cowlitz Clean Sweep, Inc. (CCS) is pleased to submit the following cost estimate for the cleaning of three above ground tanks containing Creosote. This proposal is based on information provided by Kopper Industries and our site walk on January 6, 1997. The scope of work as it is understood by CCS is broken down for you below.

SCOPE OF WORK

Three tanks of differing sizes are located at the above referenced facility. The smallest tank (Tank #1) is estimated at a size of 10,000 gallons and is inside of an containment area horizontally. The second tank (Tank #2) is directly west of this tank and is estimated at a size of 25,000 gallons. The final tank (Tank #3) is at the western part of the mill and is estimated to be over 1,000,000 gallons in size

Tank #1 is estimated to have no more than 2,000 gallons of sludge or solid material inside. The top half of the tank would be removed to allow easier entrance for removal of the material inside of the tank. The sludge would be removed and placed into a 20 cubic yard container to await disposal. After removal of the product, the tank would be triple rinsed, with the rinsaste being pumped to the rail car provided by Kopper Industries for transportation to a facility back east.

Tank #2 is estimated to be mostly liquid with alot of water. It is estimated that there is approximately 6" of product still in the tank. This tank would have the upper portion removed for easier entry and the pumpavble product placed into the rail car as well. Any solid or sludge material would be stabilized and placed into the 20 cubic yard container. The tank would then be triple rinsed with the rinsate being placed into the rail car.

Tank #3 is estimated to have approximately 20,000 gallons of Creosote product still in the tank. As discussed at the site, it is understood that this material is pumpable and will be placed into the rail car as well. An entry hole will be cut closer to the rail spur to provide a shorter pumping distance.

Post-it® Fax Note	7671	Date	# of pages ► 3
To JACK Steph	enson	From	Amos
Co./Dept.		Co.	-,
Phone #		Phone #	
Fax #		Fax#	1/9/98

Page Two Mr. Turner

After removal of the pumpable product, any sludge would be stabilized and placed into the 20 cubic yard container. This tank would be triple rinsed or a height of 8' with the rinsate going into the rail car.

As discussed at the site walk, scrapping of the two smaller tanks is optional. For the purpose of this proposal, a price is provided but is done so separate from the overall project. The cost estimate for completing the tasks referenced above is broken down for you below.

COST ESTIMATE

Tank Cleaning

Labor & Materials \$50,916,00

Disposal

Sludge/Solids

\$780.00

Scrapping

Labor & Materials

\$8,610.00

Comments:

- The costs provided are based on a time and materials not o exceed basis. This
 would intel that Kopper Industries would only be charged for the actual time needed
 to complete this project.
- The price provided for the cleaning phase is based on the anks having the amounts referenced above. If their is more material in the ranks then the price may elevated.
- If the material which is to be deposited into the 20 cubic yard containers needs to be stabilized, this would be done at an additional charge of \$700.00.

Page Two Mr. Tumer

Cowlitz Clean Sweep appreciates this opportunity to assist Kepper Industries in there environmental concerns and looks forward to working with you on this project. If you have any questions or comments regarding the above information please do not hesitate to contact me at (360) 423-6316.

Sincerely,

Kevin R. Brown

Hazardous Materials Coordinator

08:26



COWLITZ CLEAN SWEEP, INC.

340 OREGON WAY, SUITE C, LONGVIEW, WA 98692 (360) 4:3-6316 FAX (360) 423-3409



TRANSMISSION MAY CONTAIN PRIVILEGED AND CONFIDENTIAL INFORMATION.

The information in this transmission is intended for the named recipient(s) only and may contain information that is privileged, confidential and exempt from disclosure under applicable law.

•	FAX REPLY ME	SSAGE		: :
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COMPANY KOPPE	Flack.	COMPLIE CT	ean sweep in	C ij
FAX #: ()	· · ·	FAX #: (36	0) 423-3409	; 4 ;
PHONE #: ()	·	PHONE: (36	0) 423-6316	;
DATE: 1/9/97		,	•	ΙΛΛ
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December 18, 1997

Mr. Jack Stephenson Koppers Industries, Inc. Purchasing Department 1005 William Pitt Way Pittsburgh, PA 15238

Re:

Tank Cleaning Services/Portland, Oregon Norseman Proposal # 121897-2

Dear Mr. Stephenson:

Norseman Environmental, Inc. (Norseman) is pleased to submit this proposal for the above referenced

J. 1970 TRADE

Planning Assumptions

There are three tanks properly described as follows:

Description 60' dia, vertical	Product creosete	Product volume 18,000 gallons
8' dia. vertical	crosote	2,000 gallons
horizontal	creosate	4,000 gallons

- Residuals will require stabilization.
- Koppers will supply one roll off box as stabilization box.
- Koppers will supply necessary analysis, transportation, and disposal.
- Tank wash water will be transferred to an on-site treatment facility within 100' of the work area. NOT AVA (Ab) <
- MSDS forms will be available for product and Norseman materials.
- Koppers will supply 110-volt electrical outlet and garden-hose water connection within 100' of the work area.
- Tanks are accessible for excavation equipment and truck direct leading. With IN Resson.
- Koppers will remove tank pin heaters and bayonets to be salvaged Before on Apten 6
- Norseman will be allowed free access to the site and working hours will not be limited we work 5x27 bes.
- All operations and equipment will comply with OSHA Regulations 29 CFR 1910.120,"Hazardous Operations and Emergency Response", applicable parts of OSHA 29 CFR 1910 and 1926; USACE EM 385-1-1; API 2015; Koppers Site Safety Program and Norseman's Corporate Health and Safety Ргодгати.

Operational Plan

Mobilization

Norseman will mobilize all necessary labor, equipment and materials to safely complete this project from its Youngstown, NY office.

Site Inspection

Upon arrival at the site Norseman's project supervisor will complete a site inspection to confirm existing site conditions are as outlined in the planning assumptions section of

Tool Box Safety Meeting

On a daily basis Norseman's project supervisor will conduct toolbox safety meetings to maintain site safety compliance and focus on daily project goals.

Site Preparation

- The work area will be identified with visible boundaries to provent unauthorized entry. T-1/Twick loadings ?

 Norseman's project supervisor will work with the Konners representation. necessary electrical and mechanical equipment has been properly locked and tagged out of service.
- Ground fault interrupters will be installed as needed.
- Emergency response equipment(i.e. first aid, fire fighting, spill response, etc.) will be staged for easy access.

Tank Access

- Existing tank man ways above product level will be opened to allow tank venting.
- Tank atmosphere will be tested using a LEL/O2 meter.
- Assuming tank atmosphere is acceptable a window will be cut in the tank for product removal.
- Window will be cut using a reciprocating saw with ample lubricant to minimize heat caused
- Tank atmosphere will be continuously monitored during cutting activities.

Confined Space Entry

- The tank will be vented.
- Tank atmosphere will be tested using a LEL/O2 meter.
- A confined space entry permit will be completed.
- Assuming tank atmosphere is acceptable Norseman personnel will don EPA level C PPE, and perform tank entry per Norseman's Corporate Health and Safety Program.

Stabilization & Product Removal

- Kiln dust will be blown into the tank from pneumatic tankers.
- Product will be stabilized and removed using a hydraulic excavator.
- Product will be loaded directly to Koppers supplied transport vehicles.
- Work areas will be kept clean and orderly at all times.

Fine Cleaning

Tank interior surfaces will be cleaned of gross residual using pneumatic scalers.

Wash water will be transferred to an on-site location within 100' of the work area.

1998,01-08

Norseman will complete the outlined operational plan per the following price schedule:

Mobilizatio	n .	5,000.00
Site Service	5	
Labor		
	Project Supervisor 100 hrs @ 45.00/hr	4,500.00
	Chemical Technicism 100 hrs @ 35.00/hr	3,500.00
Per-Die		
	2 mcn 10 days @ 70.00/man/day	1,400.00
Equipm	ent	
	Crew vehicle 10 days @ 75.00/day	750.00
	Excevator 5 days @ 700.00/day	3,500.00
	Bobcat 10 days @ 350.00/day	3,500.00
	Compressor 5 days @ 120.00/day	600.00
	Pressure washer 5 days @ 75.00/day	37 5.00
	Pump & hoses 5 days @ 50.00/day	250,00
	LEL/O@ meter 10 days @ 25.00/day	250.00
Materia	als .	•
	Small tools 6% of labor	480.00
	Safety Gear 20 sets @ 25.00/set	500.00
	Polyethylene 4 rolls @ 60.00/roll	240.00
	Kiln Dust 60 tons @ 25.00/ton	1,500.00
Estimated 1	Time and Material Total	\$26,345.00

Quantities listed are estimates only Koppers industries, Inc. will be invoiced for actual quantities used.

Please note this proposal does not include any tax.

Pricing is firm for 30 days from proposal date

Payment terms are net 15 days from invoice.

Prior to scheduling this project Koppers Industries, Inc. and Norseman Environmental, Inc. must enter into a mutually agreeable contract referencing this proposal.

Thank you for the opportunity to submit this proposal. If you have any questions or require further information please contact me at 716/754-0944.

Sincerely

Norseman Environmental, Inc.

R. Richard Hilts



5420 North Lagoon Avenue Portland, OR 97217-7368

http://www.fossenv.com

Rich Janecek

Phone: 503-978-7276 Fax: 503-289-6568

Email: RJanecek@fossenv.com



WEST COAST MARINE CLEANING, INC.

WASHOUGAL, WASHINGTON 98671 (503)285-2485 (360)835-3780 FAX (360)835-7534

Facsimile Transmission Sheet

3 pages including this cover sheet

Date:

December 12, 1997

TO:

Koppers

Attn:

Mr. Amos Kamerer

Facsimile:

(503) 285-2831

From:

West Coast Marine Cleaning

Attn:

Robby or Allan

RE:

Cleaning of Creosote tanks at your St. Helens facility.

THANKS!

Allan

FAX: J. Stephenson, HTC
Ame
12/15/97

December 10, 1997



WEST COAST MARINE CLEANING, INC.

455 C STREET WASHOUGAL, WASHINGTON 98671 (503)285-2485 (360)835-3780 FAX (360)835-7534 24 HOUR SERVICE

Koppers Industries, Inc.

7540 NW St. Helens Road Portland, Oregon 97210-3663

Telephone:

(503) 286-3681

Facsimile

(503) 285-2831

Attn.: Mr. Amos Kamerer

Cleaning of Creosote tank #1, tank #53 and tank #74.

Thank you for your interest in West Coast Marine Cleaning, Inc. We offer "Full Service" cleaning. transportation and disposal programs.

1.0 West Coast Responsibilities:

Provide labor, equipment and materials to accomplish the task of cleaning three Creosote storage tanks. Tank number #1 is described as a sixty foot diameter, above ground storage tank, containing an estimated 18,000 gallons of retain, of which 9,000 gallons is a heavy liquid and 9,000 gallons of tank bottom solids. Tank #53 is described as an eight foot diameter vertical mounted, about ground storage tank, which contains an estimated 2,000 gallons of tank bottoms and gravel. Tank #74 is described as a horizontal mounted, above ground storage tank which contains an estimated 4,000 gallons of tank bottoms.

2.0 Estimated cost, excluding disposal:

Labor, equipment and materials tank # 1:

\$ 86,569,00

Labor, equipment and materials tank #53:

\$ 23,120,00

Labor, equipment and materials tank #74:

\$ 34.680.00

Estimated total:

\$144,368.00

3.0 Disposal Options:

Creosote tank bottoms in drop boxes, TS&D Landfill

Estimate 90 tons, includes stabilization material

\$ 816.00 per ton

Estimated total:

\$ 73,440.00

Creosote retain/rinsate, liquids, TS&D Incineration

\$ 1.02 per gallon

Estimate 20,000 gallons

Estimated total:

\$ 20,400,00

Estimated total project costs:

\$ 238,208.00

All disposal pricing is contingent on disposal site approval.

4.0 Defined Procedures:

West Coast Marine Cleaning, Inc. estimated this project under the following guidelines to include introducing cutter stock (kerosene or Pass) into the tank and liquefying the material until it may be pumped from the tank into Kopper supplied railcars via a vacuum truck. Cutting a door sheet for equipment access and removing the supply lines to all heating coil bundles. WCMC will remove all solids using a bobcat and place into 20 yard dropboxes.

5.0 Customers Responsibilities:

Customer to provide liquid railcars and delivery of railcars to our approved disposal site. WCMC will require laydown storage area for dropboxes, site specific decon. station and temporary lunchroom. We will also require a "tailgate" safety meeting with Koppers personnel concerning health, safety and established protocols within your facility.

Again, thank you for the opportunity to provide this proposal to you. If you should have any questions or concerns, please feel free to contact our office.

Sincerely,

Allan Ramsey

Author: AMOS KAMERER at PITT Date: 12/8/97 3:55 PM

Priority: Normal

TO: Jack Stephenson at TECHCTR Subject: Re: Tank Cleaning

------ Message Contents -----

WEST COAST AND FOSS BOTH CAME IN ON 11/24/97, SPENCER NEVER SHOWED. WEST COAST CAME BACK LAST WEEK TO GET A SAMPLE FROM T-1 TANK, TO SEND OFF TO THEIR CHEMIST FOR ANALYSIS, FOR POSSIBLE SOLVENT COMPATIBILITY.

I AM ANXIOUS TO SEE THESE QUOTES, ESPECIALLY ON T-1. KEVIN AND I HAVE BEEN TALKING ABOUT THE POSSIBILITY OF PUTTING THIS TANK INTO DRY STORAGE USE FOR PENCIL PITCH AFTER IT IS CLEANED, AND THE SOONER THE BETTER. ANY THING YOU CAN DO TO PUSH THEM, OR IF YOU PREFER I CAN CALL THEM.

THANKS FOR CHECKING' AMOS

Reply Separator ____

Subject: Tank Cleaning

Author: Jack Stephenson at TECHCTR

Date: 12/8/97 2:47 PM

Amos,

Have you seen anything yet from the three tank cleaning outfits that I asked to come in and see you? Let me know...

Jack Stephenson

KOPPERS

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

	Est.	TANK
	Est. Contents	sizes
TANK #1	18-20,000 gals.	67'1"× 25'6"
TANK #53 (HORZ.)	40% Fill	30'x9'
TANK # 74 (vent.)	3' RII	/2'x?

AMOS S. KAMERER

• • .

KOPPERS INDUSTRIES, INC.

Analytical Services Group Analysis Report

Sample No:

Q97-1917 and 1918

Date Received: 11/10/97

Received From:

Paul Stadel

Portland - Koppers

Quantity:

1 quart

Description:

Coal Tar Distillate - Sludges

1917 from Horizontal Tank 1918 from Vertical Tank

Analysis Date:

11/12/97

Analyzed By: RJC

The sample from the Vertical Tank contained primarily water.

The sample from the Horizontal Tank was analyzed by gas chromatography

The major components are listed

6.35%
3.59%
1.98%
7.87%
3.97%
5.24%
15.05%
2.15%
0.94%
6.95%
6.29%
1.36%
1.26%

Post-it® Fax Note 7671	Date pages /
To Amos Kamerst	From Paul Stade
Co/Dept.	Co.
Phone #	Phone #
Fax 8	Fex 6



And Aller come to Rever the tower.

FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

TO: /	Robby BAKER, W.C. MARINE	DATE: ///28/97 Fax: 503-285-2831
FROM:	Amos Kamenen	TOTAL # OF PAGES: 2
Hen	ce's the data on T-1	
	o, my Notes Reflected	
	it contains 18 to	
	28,000 GAS.	

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

KOPPERS INDUSTRIES, INC.

Analytical Services Group Analysis Report

Sample No:

Q97-311

Date Received: 2-20-97

Received From:

KII-Portland

T.J. Turner

Quantity:

1 quart

Description:

Tank Bottom Sample from T-1

Analysis Date:

2-24-97

Analyzed By: S

SAM

Ash, %: .21 Water, %: 6.8

Distillation:

up to 210°C, %: 4.9

up to 235°C, %: 5.5

up to 270°C, %: 14.8

up to 315°C, %: 31.8

up to 355°C, %: 53.0

Residue, %: 47.0

Benzene, %: ND

Naphthalene, %: 8.0

Acenaphthylene,%: 0.5

Acenaphthene, %: 6.7

Fluorene, %: 4.6

Phenanthrene, %: 13.3

Anthracene, %: 2.7

Fluoranthene, %: 7.8

Pyrene, %: 6.1

Benzo (a) anthracene, %: 2.5

Chrysene, %: 2.3

Benzo fluoranthenes, %: 3.2

Benzo (a) pyrene, %: 1.7

Benzo perylene, %: 4.2

63.6



Koppers Industries, Inc. 436 Seventh Avenue Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001

May 10, 1999

Harder Mechanical Contractors, Inc. Attention: Tom Howell P.O. Box 5118 Portland OR 97208-5118

RE: P.O. #3000-9-13023, Tank Foundation

Gentlemen:

To confirm your conversation of May 7, 1999 with our Amos Kamerer, please plan on starting piling on May 12, 1999. We have received approval verbally from NW Natural Gas and a letter is to be hand carried to our Portland office. When received, it will be faxed to your attention) Also, Bill Meisinger and I will call you Tuesday with a decision on the premium time issue.

Thank you for your assistance.

Very truly yours,

Jack L. Stephenson Manager of Purchasing

JLS/sad

CC: W. Meisinger - HTC

A. Kamerer - Portland, OR & Please Note

Fax to 503/287-5284



HARDER MECHANICAL CONTRACTORS, INC.

P.O. BOX 5118

PORTLAND, OREGON 97208-5118

(503) 281-1112

April 2, 1999

Koppers Industries 1005 William Pitt Way Pittsburgh, Pennsylvania 15238-1362

Attention:

Jack Stephenson

Reference:

Tank Foundation and Piling Purchase Order 3000-9-13023

Harder Job No. 89013

Sirs,

We have received the above referenced purchase order but have not signed the acknowledgement due to questions which have arisen on this project. We were just told yesterday that the soil removed during excavation must be taken from the site rather than left there as originally planned. This raises a question of soil contamination. As you know, we excluded costs associated with contaminated soil removal from our bid.

After reviewing the Geotechnical Engineering Report dated May 9, 1997, which you provided, I am very concerned about possible contamination of the soil which we will be excavating and having piles driven into. The report states that the soil was found to "exude a petroleum-like odor." It then states "no chemical analyses have been made of these soils to characterize the materials in the soil." The report notes that "the sand stratum overlaying the silt was found to contain significant levels of contamination which, based on our field screening, appear to be comparable to the levels reported in a nearby monitor well drilled as part of a study for Northwest Natural Gas Company by others." It was necessary to modify our drilling methods and provide personnel safety equipment because of the severity of vapors from the borings."

In the Site Work Considerations section it is concluded that "Therefore, some environmental testing, monitoring, and operational requirements which would not be necessary for work on an uncontaminated site will be required for construction of these tanks." Despite all these warnings in the reports, in our preparatory meetings there has been no real discussion of this contamination and how to deal with it. We cannot send workers in without such information.

After careful consideration of the situation we feel that, at a minimum, we need the following items to move forward with this work:

1. Complete results of all testing of soils, etc., in the area and which clearly demonstrate the levels and types of contamination present.

Koppers Industries April 2, 1999 Page 2

- 2. A complete written indemnification from Koppers to Harder for any claims, damages, costs, etc., arising out of contamination problems from this work.
- 3. Written acknowledgement from Northwest Natural Gas that they are in agreement with the project and the methods, design, and materials being used.
- 4. Authorization for additional funds to cover using optimum methods (including bentonite) to prevent spreading contamination (unless tests show none is present).

Please review this letter and contact me at your earliest convenience. Thank you.

Very truly yours,

HARDER MECHANICAL CONTRACTORS, INC.

James E. Stilwell

Controller

Amos Kramerer

JES/dsb



HARDER MECHANICAL CONTRACTORS, INC. PORTLAND, OREGON 97208-5118

(503) 281-1112

April 2, 1999

Koppers Industries 1005 William Pitt Way Pittsburgh, Pennsylvania 15238-1362

Attention:

Jack Stephenson

Reference:

Tank Foundation and Piling

Purchase Order 3000-9-13023

Harder Job No. 89013

Post-it* Fax Note 7671	Date y/2/99 pages 2
d. Vict.	From Anos
Phone # B. Meis Engen	Co.
Fax #	Phone #
	,

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Koppers Industries April 2, 1999 Page 2

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Please review this letter and contact me at your earliest convenience. Thank you.

Very truly yours,

HARDER MECHANICAL CONTRACTORS, INC.

James E. Stilwell

Controller

Amos Kramerer

JES/dsb



F. T. Crowe &Company 5597 S.W. Arctic Dr. Beaverton, OR 97005 (503) 671-0840 1-800-234-8485 FAX: (503) 671-0250

Material Handling Systems Overhead Traveling Cranes Monorail Dumbwaiters Pneumatic Tube Systems

FAX TRANSMITTAL SHEET

DATE: <u>/2-/5-93</u>	FAX NUMBER:	<u> </u>
COMPANY: COPPOSE IND		900
ATTENTION: Philos Kame	new {	E.T. CHANG
REFERENCE: Mandeltic C.21	WE-	A CHMPAN
FROM: KEVIN KEYSER.	RETURN FAX # (503) 671-0250.	
NUMBER OF PAGES (including this s	heet): 4	
MESSAGE:		
15 QUESTIONS, CASE ME !	ICHL	
SOBRY MOUT DERRY IN	SWOWL BUOTE	
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Oregon Contractor's Board No. 43430 Elevator Contractor's No. EC-113

5597 S.W. Arctic Dr. Benverton, OR 97005 (503) 671 0840 1-800-234-8485 FAX (503) 671 0250

Material Handling Systems Overhead Traveling Cranes Monorali Dumliwriters Preumatic Tube Systems

	PRO	POS	Αĭ.	#P8-	12130
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To: Copper Industries

Attn: Amos Kammer

Date:

12/15/98

Project: Location: 1 Ton Monorail Portland, OR

Architect: N/A

We propose to furnish for the above project as follows:

Supply only 1 Ton Hoist and Monorail System.

Hoist:

Budgit Chain Hoist

Model: BEH0116-15

Capacity: 1 Ton (2,000 lbs)

Lift & Speed: 15 ft. lift @ 16 fpm (single speed)

Main Power: 115 VAC/ single phase or 230/240 VAC /3 phase/ 60 hz.

Control Voltage: 115 VAC

Manual Trolley and chain container. Hoist & Trolley Weight: 119 lbs.

Monorail:

Column Supported

Capacity: 1 Ton (2,000 lbs)

Span: 20 ft.

Tagline Festoon System

Column Supported Height to be determined (approx. 15 ft.)

Lateral & Longitudinal Support to existing building.

Drawing: Construction Drawing 2 to 3 weeks. **Delivery:** 2 to 3 weeks after drawing approval.

Price.

Supply only Hoist and Trolley......\$ 1,488.00 Supply only Monorail, Columns, and Hardware..... \$ 3,455,00 Note: All pricing includes freight to job site. 7,473.00

If you have any questions regarding this information, please feel free to contact us.

Terms:

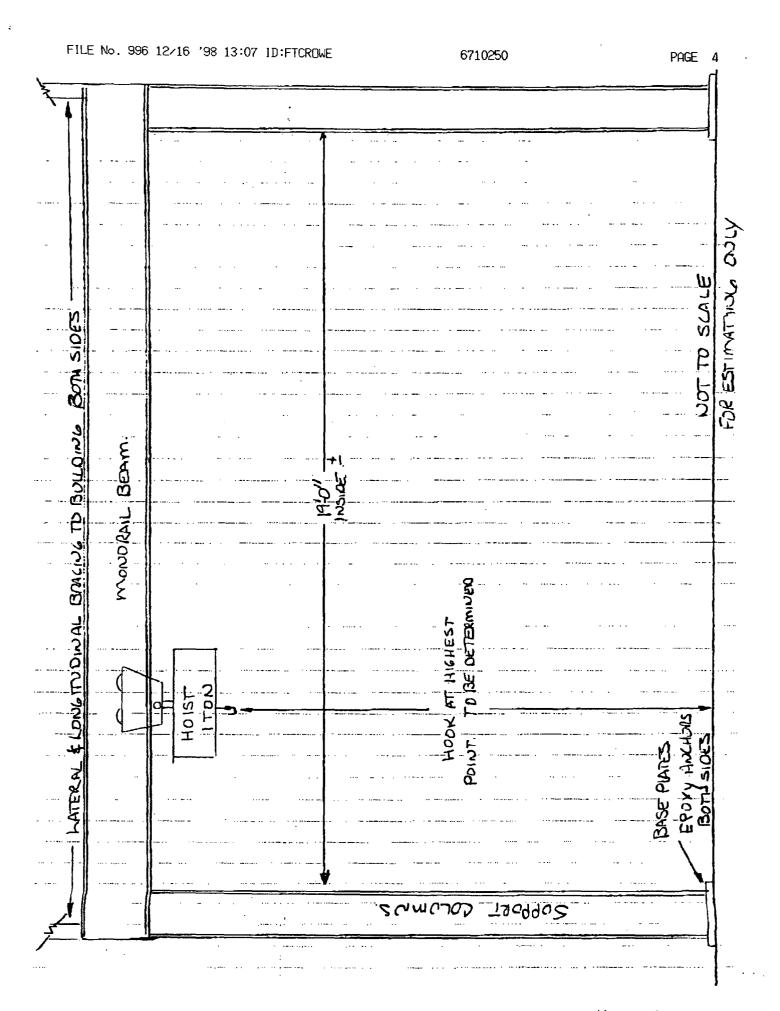
Net 30 days

SEE ATTACHED ACCEPTANCE CONDITIONS

Accepted By:	Company:
Title:	Date:

F.T. CROWE & COMPANY TERMS/CONDITIONS

- 1. The above proposal is subject to withdrawal or revision if not accepted within 30 days.
- 2. When required, shop drawings will be furnished and, when approved by the purchaser or architect, they shall be deemed to be the correct interpretation of design and dimensions.
- 3. Free and clear access will be provided, when contract calls for installation.
- 4. The customer agrees to receive, unload and provide adequate storage/staging facilities for the materials delivered to the job and to furnish necessary light and power, and elevator service, if available, when contract calls for installation.
- 5. No back charges will be accepted by F.T. Crowe & Co. unless specifically agreed upon in writing.
- 6. We will not be responsible for loss or damage arising from delays caused by lack of correct or complete data; by stenographic errors; by changes or revisions; by late approval of drawings; by fire, floods, strikes, lockouts, riots; by accidents in plants of those furnishing us with materials; by inability to obtain material or skilled labor; by delays of transportation carriers or by any other causes whatsoever beyond our control. Should the work be delayed by any of the above causes, a reasonable extension of time shall be given us to complete the work.
- 7. Sales tax (if required) are not included, unless shown as a separate cost item.
- 8. Permits (if required) are not included, unless shown as a separate cost item.
- 9. This proposal shall not be binding on this company until signed or later approved in writing, by an officer of this company.
- 10. Should the purchaser tender his own purchase order or contract, all terms and conditions of this proposal shall by this reference, be incorporated therin.
- 11. On all overdue accounts, interest will be charged at the rate of 1% per month or an annual percentage of 12%.
- 12. Price quoted utilizing non-union labor rates and assumes all work to be completed during F.T. Crowe's normal working hours, unless otherwise noted. Work during other hours, overtime, prevailing wage, weekends, or holidays will be billed at premium rates.
- Unanticipated standby time due to customer operations, other contractor's work, any industry non-standard procedures and/or precautions that result in installation delays, will be billed at our time and material rates.
- 14. Change orders must be in writing; no verbal change orders will be accepted. Change orders will be on a time and materials basis unless agreed upon in advance in writing.
- 15. Columns and/or runways/rails or supports provided by others must be within CMAA criteria. Any work required to bring into compliance to be billed at our time and materials rates.
- 16. Any changes in the scope of work will be quoted separately, or will be billed at our time and materials rates.
- 17. Any special inspections will be the customer's responsibility. Any delays that result in significant stand-by time due to these inspections will be billed as an extra.
- 18. Installation delays due to any required safety and/or protocol training and job specific drug testing will be billed as an extra.



KOPPERS

7540 N.W. St. Helens Rd. Portland, Oregon 97210 (503) 286-3681

12/8/98

67/-0840

Kevin Keyser

Pre-engineered: Modular

West Station Came

4 posts, I ton capacity

on 64 concrete floor

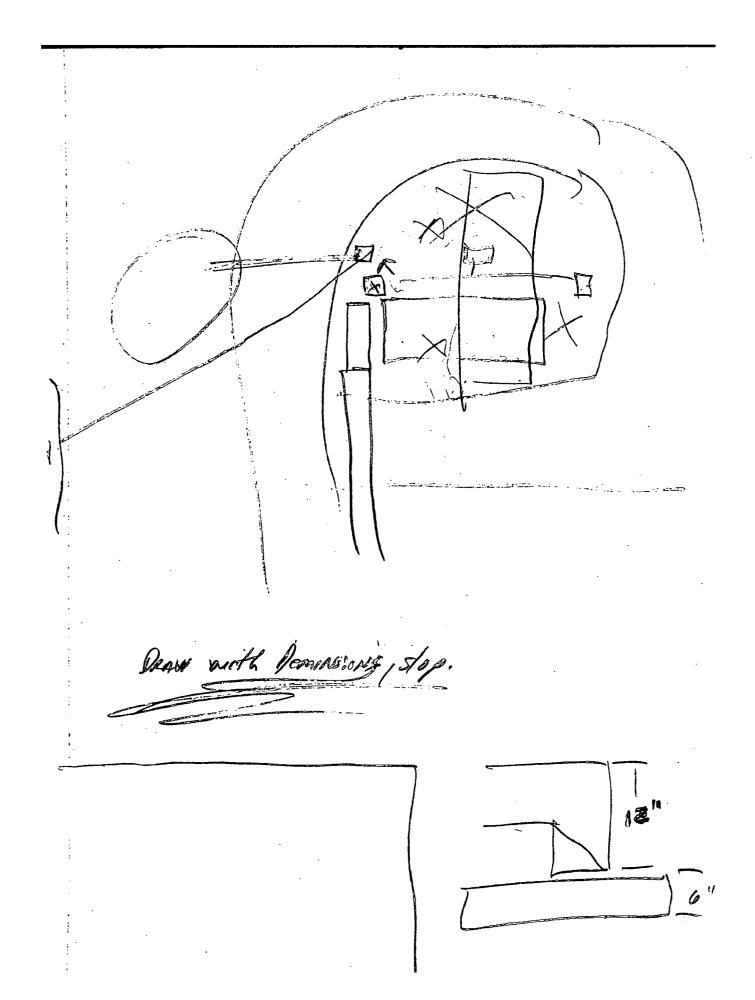
20' bridge × 30'/arg × 10' high.

Monardil

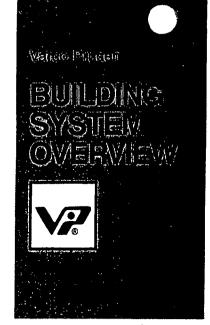
20' span, 2 posts

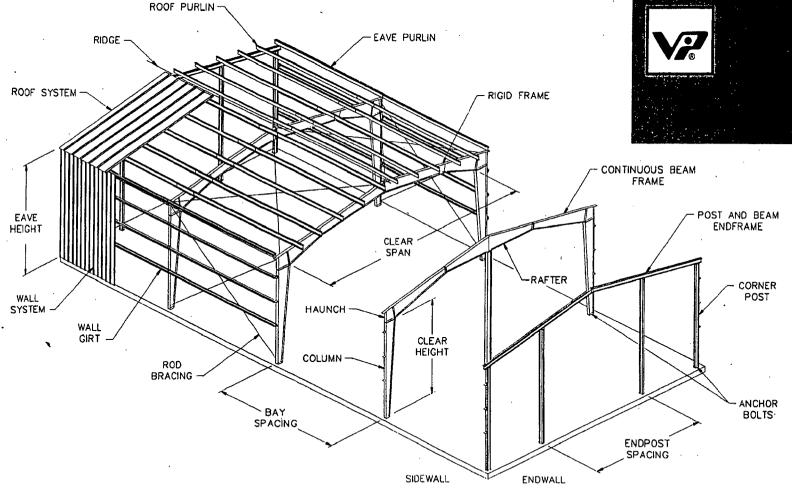
AMOS S. KAMERER

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This is a general overview of the basic elements of a building. A glossary of these basic terms can be found on the back of this sheet for your convenience.





BUILDING SYSTEM OVERVIEW GLOSSARY

Anchor Bolts Bolts utilized to secure building components to the foundation. In the case of primary framing these bolts are embedded in the foundation and secured to the column base plate.

Bay Spacing The distance between primary framing members measured parallel to the ridge or eave. Interior bays are measured from centerline of frame to centerline of frame. Exterior bays (last frame spacing on either end of the building) are measured from the building line (outside face of girt) to the centerline of the first interior frame.

Clear Height Distance from the finished floor to the bottom of the rafter at the rafter-to-column connection.

Clear Span Distance between columns.

Column Vertical support member for primary framing system.

Continuous Beam Frame A multiple span structural frame consisting of straight or tapered solid web sections whose exterior rafter-to-column moment connection stabilizes the frame. The frame spans across the width of the building utilizing interior columns and supporting secondary framing along with roof and wall coverings. This frame is designed in accordance with AISC Type I construction.

Corner Post Corner column of post and beam frame.

Eave Height The vertical dimension from finished floor to eave.

Eave Purlin A roof secondary framing member located at the eave used for attachment of roof and wall panels.

Endpost Spacing Distance between center lines of endposts.

Endwall An exterior wall which is perpendicular to the ridge and parallel to the gable of the building.

Haunch The area of increased depth of the column or rafter member which is designed to account for the higher bending moments that occur at such places. Typically this occurs at the rafter-to-column connection.

Post and Beam Endframe A structural framing system utilized at the endwall which is composed of corner post, endpost and rake beams.

Rafter A fabricated member, with parallel flanges, that extends from the haunch member to the frame ridge. Any beam, in general, used in a primary frame.

Ridge Apex of building.

Rigid Frame A clear span structural frame consisting of straight or tapered sections whose rafter-to-column moment connection stabilizes the frame with respect to imposed loads. This frame is designed in accordance with AISC Type I construction.

Rod Bracing Rods are utilized in conjunction with purlins and girts to form a truss type bracing system located in both roof and wall planes.

Roof Purlin A roof secondary member which is secured to frame rafters and supports the roof covering.

Roof System The exterior roof surface consisting of panels, closures and attachments.

Sidewall An exterior wall which is parallel to the ridge and sidewall of the building.

Wall Girt A horizontal wall secondary member which is secured to columns and supports the wall covering.

Wall System The exterior wall surface consisting of panels, closures and attachments.

VARCO-PRUDEN AND THE VP CONTRACTOR

Varco-Pruden has built its reputation as a leader in the nonresidential construction market by supplying superior service and products to authorized VP Builders across North America.

VP Builders have constructed thousands of facilities for virtually every end use, ranging from large office to small storage buildings. Each and every facility carries a reputation for quality and value.

VP Building Systems are designed to meet the most demanding customer needs. VP's pioneering *Custom Concept* means that VP Builders deliver a facility that meets your exact aesthetic requirements with no sacrifices in function or economy.



TECHNICAL DESCRIPTION Rigid Frame (RF)

This solid web framing system consists of either straight or tapered rafters rigidly connected to either straight or tapered vertical columns. These primary structural support members are manufactured using 50 KSI steel.

Minimum clearance occurs at the haunch. All secondary framing comes with prepunched holes for accurate placement. Girts are joined to the primary framing with factory located welded clips.

Clearances can be obtained for

virtually any eave height up to 80' or higher, and spans typically range from 30' to 300' in 1/16" increments.

Rigid Frame systems can be designed to accept all crane types and tonnage capacities. Any girt placement can be utilized, including flush-mounted, inset or outset.

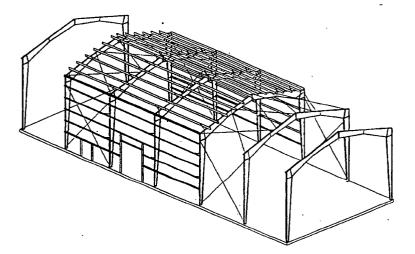
Prior to any field finish coats of paint, a rust inhibitive primer is factory applied to VP frames.

VARCO-PRUDEN AND THE VP CONTRACTOR

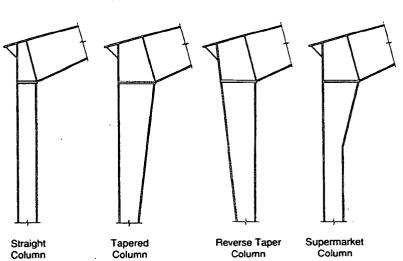
Varco-Pruden has built its reputation as a leader in the nonresidential construction market by supplying superior service and products to authorized VP Builders across North America.

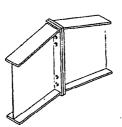
VP Builders have constructed thousands of facilities for virtually every end-use, ranging from large offices to small storage buildings. Each and every facility carries a reputation for quality and value.

VP framing systems are designed to meet the most exacting customer requirements. Our engineering assures that each frame combines maximum strength with economy. Each frame member is assembled by certified welders in a controlled plant environment. You are assured of a high quality, highly efficient structure which meets specified building codes and your exact functional requirements.

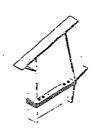


Typical Clearspan Rigid Frame System





Rafter Connection

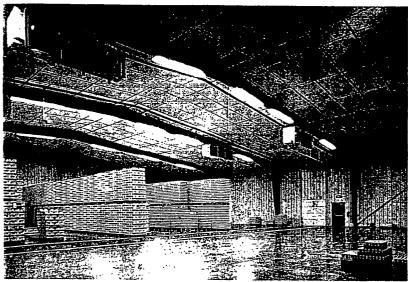


Haunch Connection

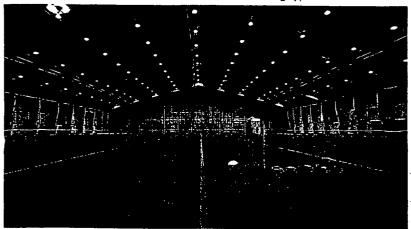


2051 3M 5/97 ST

Litho U.S.A.



Clearspan Rigid Frame as shown here is ideal for warehousing applications.



One of the largest Clearspans in North America, this practice field has 280' of column free width.

GENERAL DESCRIPTION

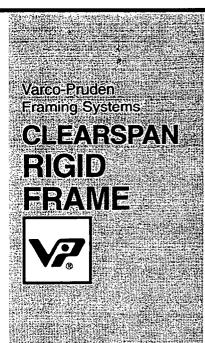
When your building requirements call for totally unobstructed interior space, VP can provide the solution with our Rigid Frame (RF) structural system. VP's Rigid Framing is ideal for stores, recreational facilities, hangars, auto dealerships and any application where open interior space is needed.

Interior space is optimized with these efficient structural frames, which can achieve clear spans up to 300' and even more. Eave height can also reach 80' or higher.

This approach allows complete flexibility in design, including offcenter ridge lines and single slope roofs. Roof pitches as low as 1/4:12 are possible.

In addition, with VP's Rigid Frame system you have virtually no limits on bay spacing or roof and wind loads. Rigid Frame systems can also be used in conjunction with other framing systems, including ordinary steel and wood systems.

Rigid Frames, like all VP framing systems, are computer designed for strength and economy — and your VP Builder can erect them rapidly. Not only is your facility ready to use quickly, it has superior functional integrity and building value.

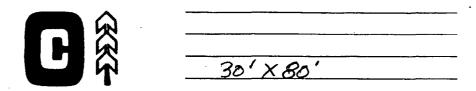


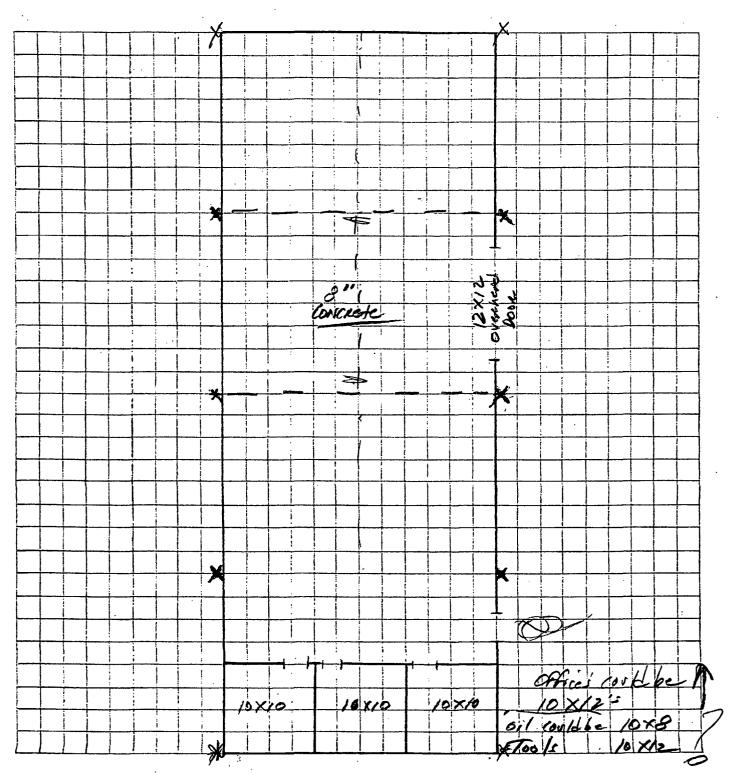
KEY BENEFITS

- Open, unobstructed interiors for optimum space use
- Spans up to 300' or more to meet the most challenging interior use requirements
- Flexible design to provide the exact facility you want at an economical cost
- Fast construction



Rigid Frames are ideal for applications that demand column free interiors, such as this airplane hangar.





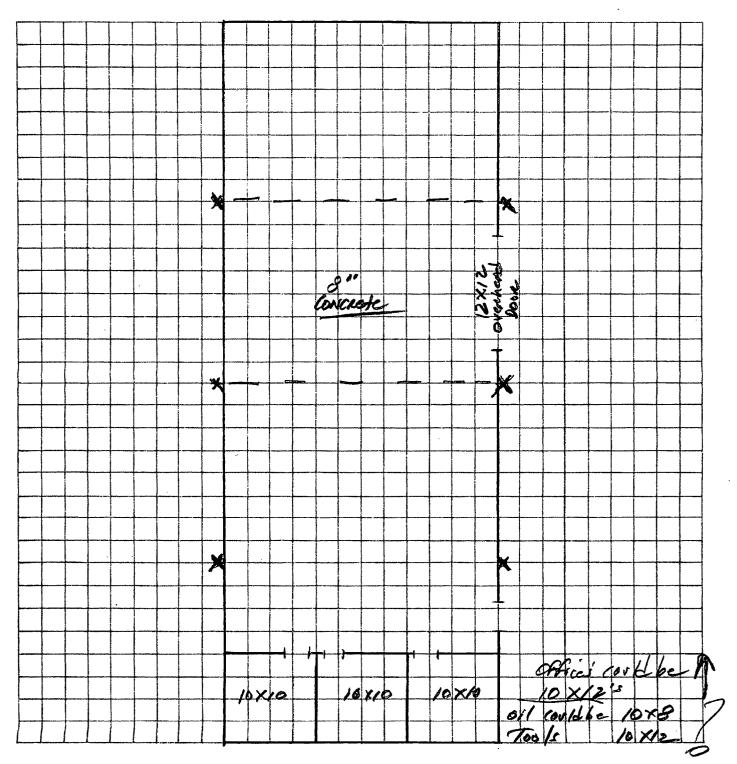
THE OESER COMPANY







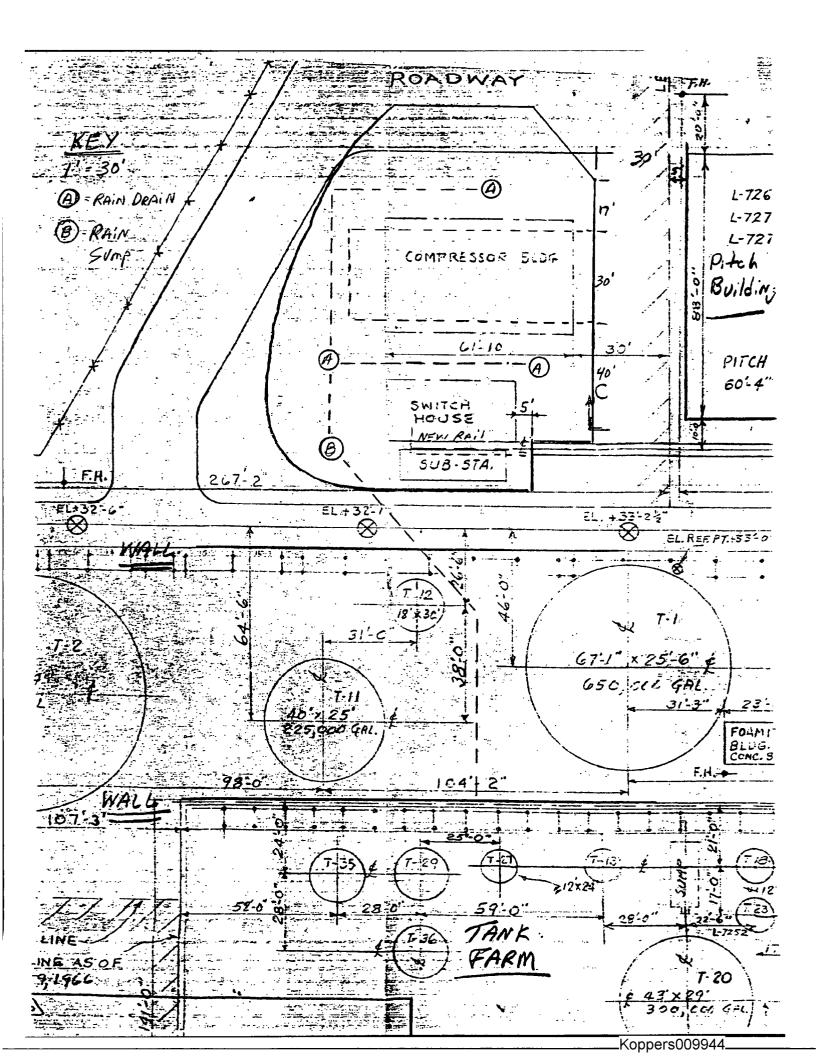
30' × 80'

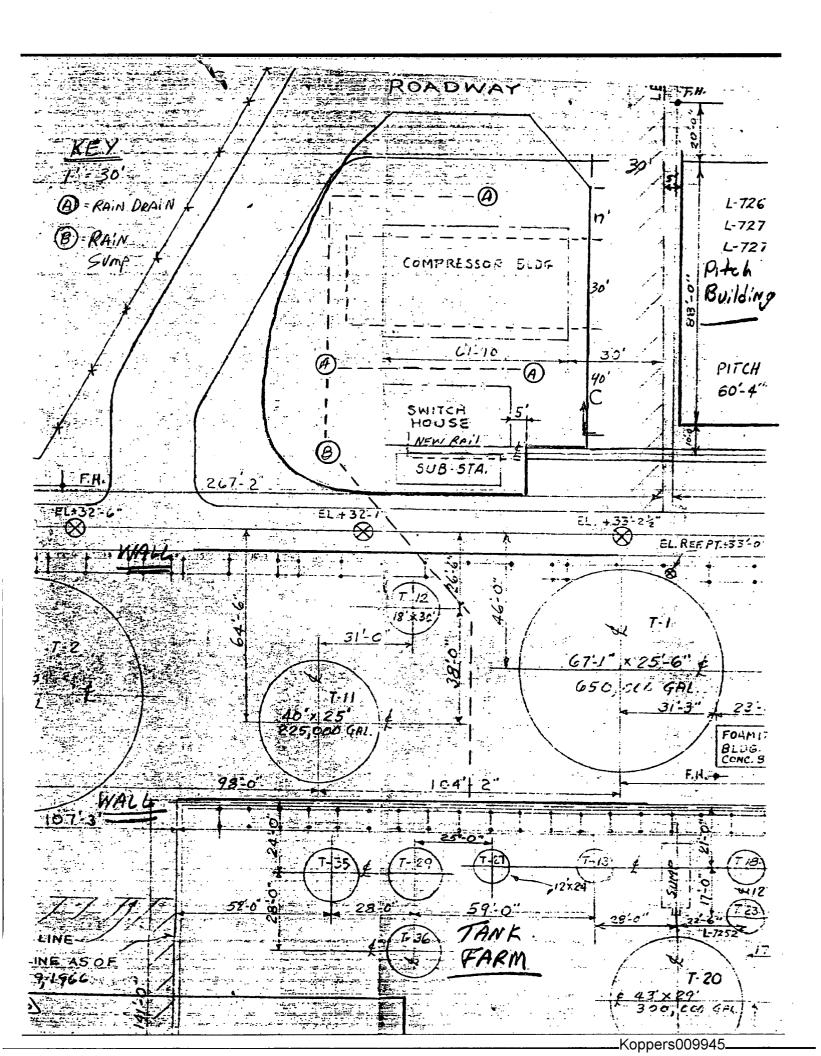


THE OESER COMPANY

western red cedar and douglas fir POLES - PILING - POSTS - LUMBER / TREATMENTS: PRESSURE - THERMAL - BUTT P.O. BOX 156 / BELLINGHAM, WASHINGTON 98227-0156 / TELEPHONE (206) 734-1480









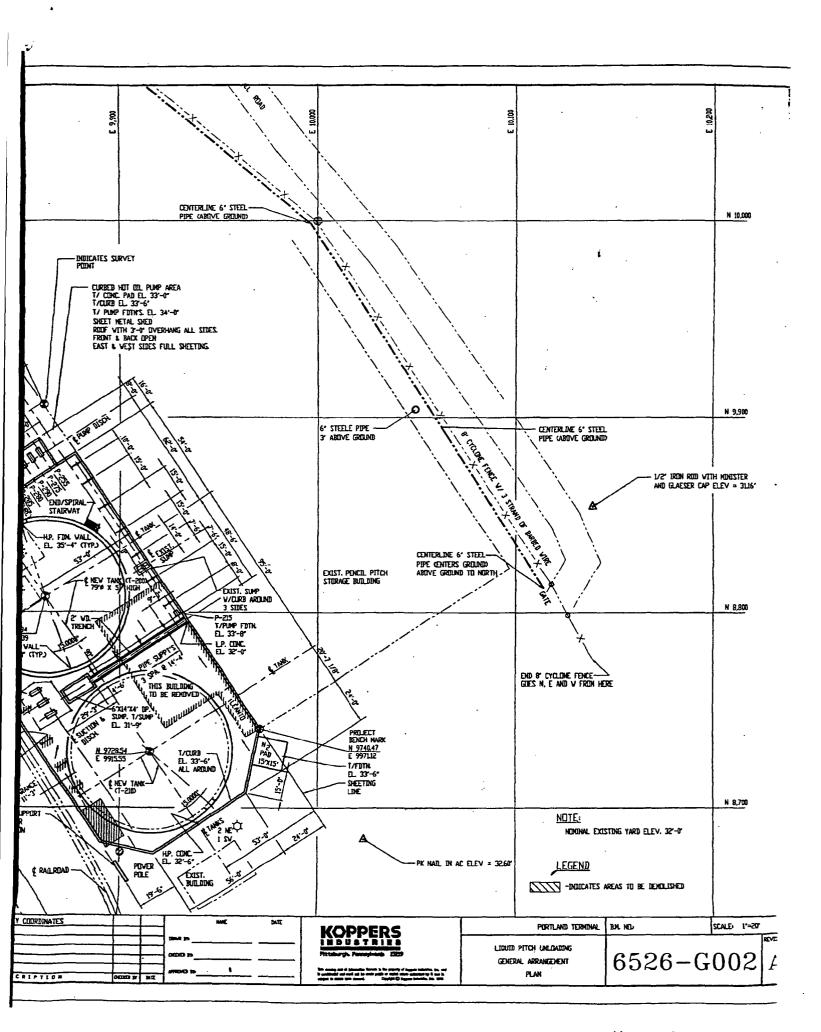
FAX TRANSMITTAL

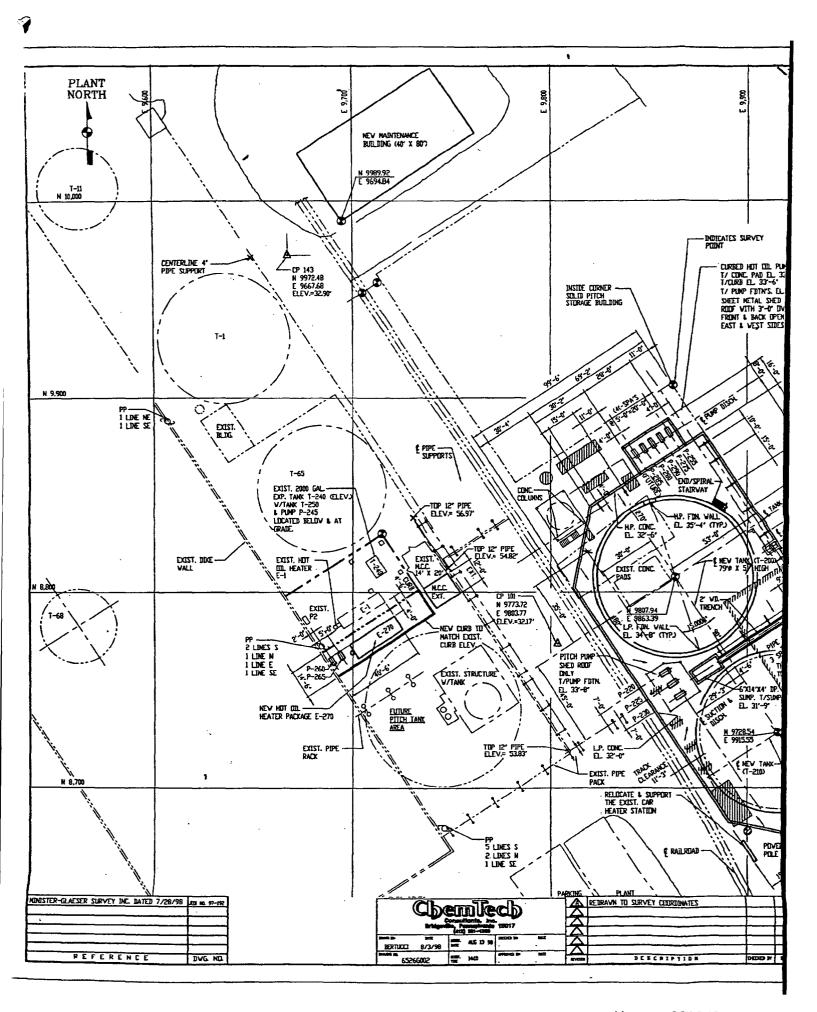
New Shop

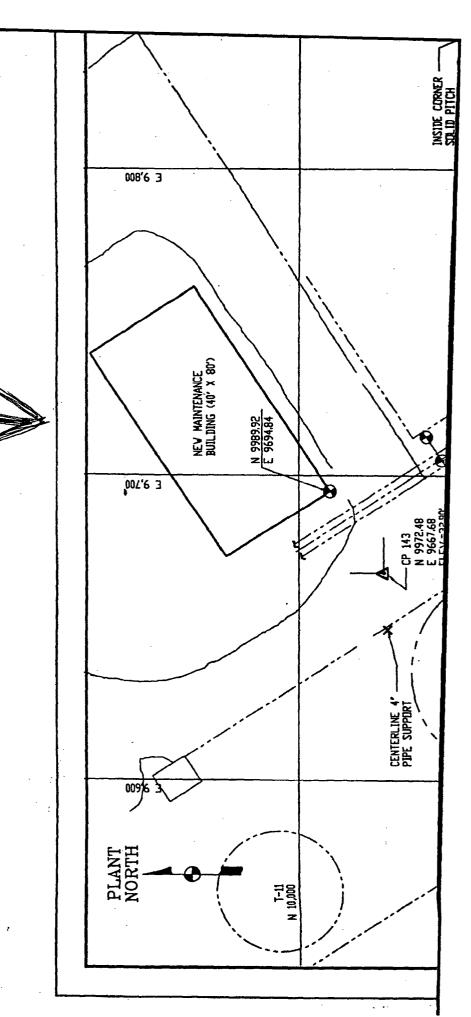
Koppers Industries, Inc. 7540 N.W. St. Helens Road
Portland, OR 97210-3663

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IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831







McKernan File No. P97-10 October 1998

SPECIFICATION LIQUID PITCH UNLOADING FACILITY PIER ACCESS ROAD AND SITE PREPARATION

PREPARED FOR:

Koppers Industries, Inc. 7540 NW St. Helens Road Portland, Oregon 97210

Phone: (503) 286-3681

PREPARED BY:

J. Cameron McKernan Company Engineering + Naval Architecture 825 NE 20th Avenue, Suite 110 Portland, Oregon 97232

Phone: (503) 232-7211

McKernan File No. P97-10 October 1998

WORK DESCRIPTION

This specification describes some preliminary site work at the shore end of a new bridge to access an existing pier.

The work is on property owned by Northwest Natural Gas Company and leased by Koppers Industries, Inc. The work is adjacent to a petroleum truck and marine terminal and storage tanks operated by Pacific Northern Oil Co. at 7900 NW St. Helens Road, Portland, Oregon. The attached sketches show the work area. The work is described as follows:

- 1. Mechanically remove (cut-down and grub out) existing woody vegetation at the top of the riverbank and the adjacent area to be used for bridge access. Part of the area is covered with blackberry vines, Scotch broom, and a few small trees. Removed materials are to be hauled off-site and disposed of by the Contractor.
- 2. Remove vegetation (sod and other organic material) from the parking and top of bank area. This removed material may be "dumped" on the slope just to the northwest of the area between the retaining wall and the riverbank.
- 3. Grade a smooth new roadway and parking area from existing road to top of riverbank as shown on attached sketch. New roadway to have a finished width of 16 feet plus parking and curve areas. Grading will require moving existing 2-foot high berm alongside the west side of roadway to make room for the new roadway. The existing berm is to be simply pushed over and reformed to clear the new roadway. It is not intended to remove any soil material from the site. After grading and smoothing, the surface is to be compacted using a suitable roller.
- 4. Lay a heavy semi-impervious geo-technical cloth material over the graded and compacted new roadway and parking area. Cloth to be similar to TYPAR 3401 (4 ounce per square yard, spunbonded nonwoven polypropylene).
- 5. Fill over the geo-technical cloth with an eighth inch deep layer of gravel in two layers:

bottom layer:

2" to 1" crushed rock about 4" thick

top layer:

1" minus crushed rock about 4' thick

Each layer to be smoothed and compacted.

6. On completion and acceptance of work, Contractor to clean up site and remove all Contractor's equipment. Site to be clean and neat to the satisfaction of the Koppers Industries' Representative.

Cont'd . . .

Specification Pier Access Road and Site Preparation

McKernan File No. P97-10 October 1998

HAZARDOUS MATERIALS

The Northwest Natural Gas Co. site has surface and buried hazardous materials scattered throughout the area. Tars, benzene, petroleum derivatives, and other hazardous materials may be encountered during the work. The Contractor shall observe all the requirements of the OSHA Regulations contained in 29 CFR § 1910.120, Hazardous waste operations and emergency response.

The Contractor shall supply Koppers Industries with verification of each of the on-site employees' completion of the 40 hours instruction and other training as required by 29 CFR 1910.120. A copy of the on-site employees' Training Certification shall be furnished to Koppers Industries.

KOPPERS INDUSTRIES, INC. "TERMS & CONDITIONS"

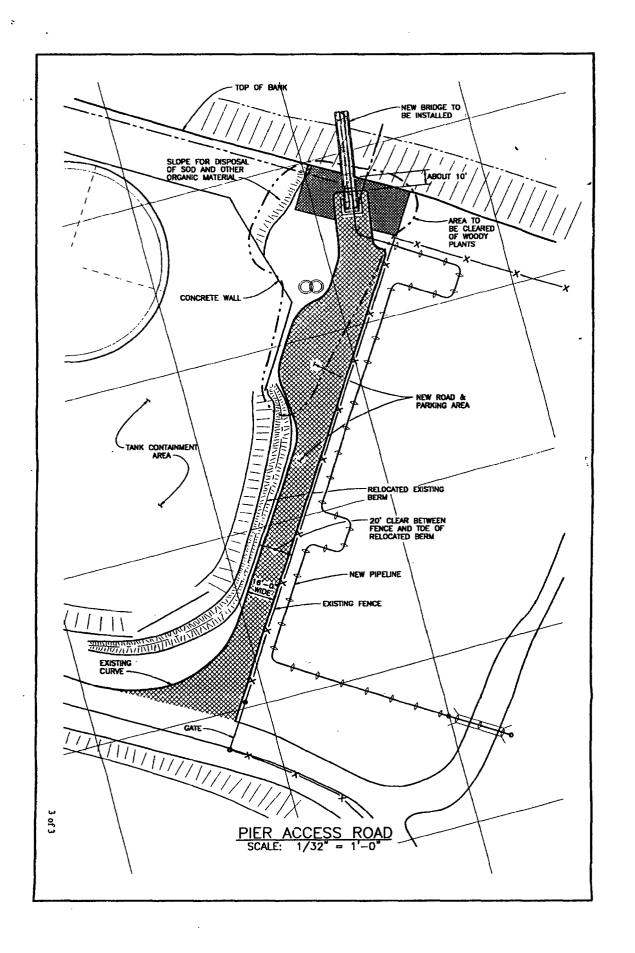
The Contractor will be issued a Purchase Order containing the attached "Terms and Conditions..." K1-63, Rev. 6 (3 sheets). This document states Contractor's insurance and other requirements which will be applicable to the Purchase Order.

SAFETY REGULATIONS

The Contractor shall observe the requirements for safety contained in the following documents (which are attached):

- Safety Regulations for Contractors Employee Working in Koppers Industries, Inc. Plants (4 pages, safereq2)
- Safety Regulations for Visitors Entering Koppers Industries, Inc. Plants
- Safety Regulations for Truck Drivers Entering Koppers Industries, Inc. Plants

Cont'd . . .



TERMS AND CONDITIONS APPLICABLE TO THE SALE OF MATERIAL, EQUIPMENT OR SERVICES TO KOPPERS INDUSTRIES, INC. AND ANY OF ITS SUBSIDIARY AND ASSOCIATE COMPANIES

1. SELLER'S RESPONSIBILITY (INDEMNITY)

Seller shall defend, indemnify and save Koppers harmless from and against any and all claims, demands, causes of action, suits and all other liabilities whatsoever, including without limitation, reasonable attorneys' fees incurred by Koppers due to personal injury or death to any party or property damage caused by, arising out of, or in connection with the negligence, willful misconduct or acts or omissions of Seller.

2. WORKMEN'S COMPENSATION, PUBLIC LIABILITY INSURANCE, AND AUTOMOBILE LIABILITY INSURANCE REQUIREMENTS

Seller shall properly maintain coverage and designate Koppers as an additional insured under the following:

- a. Statutory Workmen's Compensation Insurance, Employer's Liability Insurance with the following coverages and limits of liability: \$1,000,000 for bodily injury each accident; \$1,000,000 for bodily injury by disease-policy limit; \$1,000,000 for bodily injury by disease-each employee.
- United States Longshoremen's and Harbor Workers' Compensation Acts, if applicable.
- Automobile Liability Insurance (owned, non-owned, and hired vehicles) with a \$2,000,000 combined single limit.
- d. Comprehensive General Liability Insurance with the following limits: \$2,000,000 each occurrence for bodily injury and \$2,000,000 each occurrence for property damage, and endorsements extending the comprehensive liability insurance to cover contractual liability, completed operations liability, product liability, "x" exclusion (blasting or explosion), "c" exclusion (collapse or structural liability), "u" exclusion (underground).

3. CERTIFICATES /

Before beginning any work at the jobsite, Seller shall deliver to Koppers certificates (in a form satisfactory to Koppers) evidencing the required coverages and the designation of Koppers as an additional insured thereon and shall keep current certificates on file with Koppers until such work is completed. Such certificates shall, among other things:

- a. Indicate the expiration date of each policy;
- Contain a statement that such policies will not be cancelled or armended until at least ten days' advance written notice to Koppers:
- c. Contain a statement reading substantially as follows: "Koppers Industries, Inc. is designated as an additional insured hereon, and this insurance shall be primary to any other policy of insurance owned by Koppers or others."

4. RESPONSIBILITY FOR LOSS OR DAMAGE

All risk of loss or damage, however caused, to property owned or controlled by Seller or its subcontractors or the employee(s) of either, and to work not yet accepted shall be borne by Seller, and in no event shall Koppers have any responsibility therefor.

5. DEMURRAGE

Seller agrees to pay all demurrage which may accrue on all cars, trucks or vessels containing material or equipment for use by Seller in connection with the work hereunder and shall be solely responsible for the unloading, checking and storage of such material or equipment.

6. INSPECTION

Seller agrees to provide sufficient, safe and proper facilities at all times for the inspection of the work hereunder by Koppers or its representatives, or if work is being performed by Koppers for a customer, by such customer or its representatives.

7. CLAIMS AND LIENS FOR LABOR AND MATERIAL

Seller shall promptly pay all just claims for labor and/or material and shall promptly discharge all liens therefor arising out of or in connection with the work hereunder. Koppers may retain, out of any money due or to become due to Seller from Koppers, an amount sufficient to satisfy any such claims or liens until satisfactory evidence is furnished that all liens and claims have been discharged or satisfied; provided, however, that Koppers shall not make any payment of said money so retained otherwise than to Seller in the event that, and so long as Seller shall contest the validity of the claim in respect whereof such amount was so retained. Should there prove to be any such lien or claim after all money due from Koppers to Seller has been paid, Seller shall immediately reimburse Koppers all monies paid by Koppers in discharging or satisfying any such lien or claim.

8. NON-PERFORMANCE OF WORK

Should the Seller, in the judgment of Koppers, at any time refuse or neglect to supply a sufficient number of properly skilled workmen or sufficient materials of the proper quality or fail in any respect to prosecute the work hereunder with promptness, skill and diligence, Koppers shall have the right to immediately terminate this agreement and Seller's right to perform hereunder. In any such case, Koppers or its representatives may enter upon the premises, and for the purpose of completing the work hereunder, take possession of all materials, tools and equipment thereon. The Seller shall not be entitled to receive any further payment under this agreement until the work shall be wholly finished, at which time, if the amount which should have been due to Seller from Koppers under this agreement shall exceed the expense incurred by Koppers in finishing the work hereunder, such excess shall become due to Seller from Koppers; but if such expense shall exceed such amount, such difference shall become due to Koppers from Seller.

9. WAIVER OF BREACH

Any failure by Koppers to enforce or require the strict keeping by Seller of the terms and conditions of this agreement shall not constitute a waiver by Koppers of any such breach of the terms and conditions and shall not affect the right of Koppers at any time to avail itself of such remedies as it may have for any such breach of such terms and conditions.

10. PERSONNEL

 Koppers Industries, Inc. is in accord with the objectives of Equal Employment Opportunity. Therefore, Seller is requested, in formulating his labor relations policies and practices, to join with Koppers in carrying out these objectives so as to insure that no employees or applicants shall be discriminated against because of race, creed, color, sex or national origin. Seller shall conspicuously post notice to this effect at his place of business and should so advise all labor unions with which he has any contract

- b. Seller will coordinate all his labor relations policies and practices with Koppers except that, insofar as the hiring of men is concerned, Seller will formulate his own independent policies and practices consistent, however, with Paragraph (a) above and Seller's representative as to the labor unions and labor in his quotation.
- c. Seller shall, at all times, maintain good order and discipline among his employees and shall not employ on the work any unfit person or anyone not skilled in the work assigned to him.
- d. Seller shall confine his employees and all other persons who come onto the premises at Seller's request for reasons relating to this purchase order, to that portion of the jobsite where work under this purchase order is to be performed or to roads leading to and from such worksite.

11. REMOVAL OF RUBBISH, WASTE, TOOLS AND SURPLUS MATERIAL

Seller shall not allow waste material or rubbish to accumulate in or about the jobsite but shall promptly remove same, and at the completion of the work, shall remove all rubbish from and about the site, and all tools, scaffolding and surplus material belonging to Seller, its agents, employees or contractors, and shall leave the work hereunder clean and ready for use.

12. GUARANTEE

.50

- a. Seller guarantees that all material shall be new, unless otherwise specified, and both workmanship and materials shall be of good quality and meet the specifications and requirements of this contract.
- b. Unless a longer time period is specified in the purchase order, Seller shall repair, or remove and replace, at his own expense and at Koppers' convenience, workmanship or materials which prove to be defective at any time within one year from the time of final acceptance of the work by Koppers.
- c. In addition to the guarantees specified above, Seller shall procure and pass on to Koppers guarantees, parts lists and operating instructions received from all equipment manufacturers for equipment supplied by Seller under this agreement.

13. SITE INVESTIGATION

It is understood that the Seller has fully inspected the site of the work or has had the opportunity for such inspection and knows and fully appreciates the local conditions to be encountered in the performance of the work hereunder. Seller has taken such conditions into consideration in his bid or proposal, and no claim will be allowed due to lack of understanding the site conditions.

14. EQUIPMENT CONDITION

Seller's equipment shall be in first class operating condition upon arrival at the jobsite and shall be adequate and properly maintained to carry on work as required.

15. ASSIGNABILITY

a. Seller shall not assign, transfer, convey, subcontract or authorize disposition of this agreement or its right, title, or interest in or to the same or any part thereof without the previous consent in writing of Koppers, and it shall not assign by power of attorney or otherwise any of the monies to become due and payable under this agreement without like consent. b. In the event of an approved subcontractor, Seller shall be fully responsible for the performance of his subcontractors in all matters including, but not limited to accounting, cost distribution, purchasing, labor and material control, and proper and economical performance of work.

16. FINAL PAYMENT

- a. Final payment of all money due but not previously paid to Seller hereunder shall be made in accordance with the typed portion of this purchase order after acceptance by Koppers of the completed work, provided Seller shall have given to Koppers evidence satisfactory to it that all liens, claims, obligations and liabilities against the premises or chargeable to Koppers and/or Koppers' customer have been fully paid, satisfied and released.
- b. Final payment so made by Koppers shall not be construed as a waiver of any breach hereof by Seller or as an acceptance of defective work or of work not in accordance with specifications and drawings.

17. CHANGES/CONVENIENCE TERMINATION

- a. Koppers may, from time to time by written instructions, directions and/or revised drawings, make changes in the work to be performed by Seller which may include additional work, delays in the performance of work, omission of work previously ordered, or termination of entire contract at the sole convenience of Koppers. The provisions of the contract shall apply to all such changes and modifications with the same effect as if they had been embodied in the original purchase order.
- b. Any decrease or increase in time required for performance because of any change made by Koppers in the work to be performed shall be submitted to Koppers in writing within 30 days of the time the change is ordered.
- c. In the event deductions from work result in a change in the value of the work or the contract is terminated at the convenience of Koppers, the contract price shall be equitably adjusted, provided that such adjustment shall not exceed the total contract price, nor allow any amount for anticipated profit for performance not rendered. Seller shall submit his revised price and information supporting the same for the deduction from or termination of the work within 30 days of the change. Upon receipt of the termination notice or directions to omit work, Seller shall stop work to the extent specified in the notice and take such other actions as may be necessary, or as Koppers may direct, for the transfer, protection, preservation of property and contract rights related to the termination or omission of work, and to minimize the costs of such termination or omission of work and for the benefit of Koppers.

18. DEFECTIVE WORK

At any time during the progress of the work, Seller shall, within 24 hours after receiving written notice from Koppers, proceed to remove from the premises all defective materials, whether assembled or not, and to dismantle all portions of the work which are defective, unsound, improper, or in any way fail to conform to the requirements of specifications and drawings. Seller shall replace all such defective work and/or materials at his own expense.

19. SAFETY

- Seller shall assume responsibility for the safety of any person who enters the work area at the implied or actual invitation of Seller
- b. Seller and all his employees and subcontractors shall keep their work area free from unsafe conditions and shall comply with all applicable provision of Koppers Safety Manual and such other reasonable rules and regulations which may be in force at the worksite.

20. CONSTRUCTION BY OTHERS

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The work to be performed by Seller may include only a part of Koppers' overall construction program at the worksite. Koppers reserves the right to complete other phases of any such program by placing orders with other suppliers or performing portions of the work with its own forces. When others are involved, Seller shall afford them opportunity for the delivery and storage of their materials and execution of their work and shall cooperate so the entire work proceeds in an orderly manner.

21. APPLICABLE LAWS AND REGULATIONS

Any provision by applicable and valid Federal, state, local law, ordinance, rule or regulation shall apply to this work whether or not it is specifically mentioned herein.

22. ACCOUNTING INSPECTION AND AUDIT

- a. Unless otherwise specified, Seller shall check all labor and material entering into the work covered by this purchase order and keep such full and detailed accounts as may be required to meet the needs of Koppers system of accounting.
- b. All books and records of Seller relating to this purchase order shall be subject to audit by Koppers authorized representative or by an independent certified public accountant at all reasonable times during normal business hours.

23. EXISTING FACILITIES

Seller shall not remove, connect, disconnect, change or alter in any way pipelines, sewers, conduits, cable or other utilities existing at the worksite except when so authorized, in writing, by Koppers.

KOPPERS SUPPLIED MATERIAL

It shall be Seller's responsibility to protect and account for all Koppers supplied material from the time of delivery to Seller. Suitable weather protection shall be furnished by Seller for all materials requiring such protection. Surplus materials shall be returned by Seller to Koppers before he leaves the work area.

25. PREMIUM TIME

- a. If Seller chooses to work outside the normal workweek for his own convenience, Koppers shall not be liable for any premium charges involved. However, no such overtime work shall be performed without specific approval of Koppers.
- b. Seller shall, at the written request of Koppers, work with his men outside of the normal workday or workweek. If the purchase order price is based on a normal workday or workweek, the following shall apply: Seller shall be reimbursed for his out-of-pocket overtime and/or premium payments together with taxes and welfare payments required by legal or union regulations with no addition of overhead or profit. On all overtime or premium time chargeable to Koppers, Seller shall prepare a daily list of his forces showing hours worked and wage rates. This list must be submitted to Koppers designated field representative at the end of each day for his approval. It shall be Seller's responsibility to obtain this signed approval before noon of the workday after the overtime work was performed.

26. SUPERINTENDENCE

Seller shall maintain competent superintendence on the jobsite during construction. Seller's designated jobsite representative shall fully represent Seller. All directions given to such supervisor or his duly authorized representative shall be binding on Seller.

27. KOPPERS USE OF COMPLETED WORK

Koppers may, prior to the completion of all the work to be performed under this purchase order, and the acceptance thereof by Koppers, enter upon and use any portion of said work without any compensation whatever to Seller for such use, and such taking possession and use shall not be deemed an acceptance of the work so taken and used, or of any part thereof.

28. DRAWINGS AND RECORDS

Title to the originals and all copies of all plans, blueprints, drawings, specifications, schedules, computation data, bills of material, studies, reports and other items and written media furnished to Koppers by Seller, or prepared by or for the account of Seller in connection with the performance of the work called for by this purchase order, shall be and remain in Koppers and, if requested by Koppers, shall promptly be delivered to Koppers upon completion of the work. Seller may retain copies of such records applicable to the work done by it under the purchase order as may be reasonably necessary for Seller's records.

29. DISPUTES

- a. Any disputes arising under this agreement which are not resolved by agreement shall be decided by Koppers. Such decision shall be reduced to writing and a copy thereof mailed or otherwise furnished to Seller. Within 30 days after date of receipt of such copy, Seller may notify Koppers in writing of its disagreement with the decision. In the absence of such notice, such decision shall be final. In the event Seller notifies Koppers of its disagreement, Seller may appeal that decision by purchasing any right or remedy it may have against Koppers at law or in equity in any court of competent jurisdiction except as set forth in Paragraph (b) below.
- b. Pending the final court decision of the dispute, Seller shall diligently proceed in accordance with the decision of Koppers pursuant to Paragraph (a) above.

30. HEADINGS

The headings for the clauses of this agreement are for the convenience of the parties only and are not to be considered a part thereof for the purpose of construction, interpretation, limiting the scope of a clause or otherwise.

SAFETY REGULATIONS FOR CONTRACTORS EMPLOYEE WORKING IN KOPPERS INDUSTRIES, INC. PLANTS

The following rules are meant as minimum requirements for safety while you are working in our plant and are not meant to cover all situations.

Special problems should be discussed before the job starts and/or when you move into new work areas.

- 1. When going to or from place of work, use only the prescribed walkways, paths or crossovers. Do not walk through plant buildings except those in which contract work is being done. In buildings, use only regular passageways, subways or crossovers. Do not climb on or over moving equipment. Stop Look Listen before crossing any tracks. Do not crawl on, between, over or under railroad cars.
- 2. Park only in authorized areas and use designated entrances and exits to the plant.
- 3. Do not attempt to operate any equipment other than your own unless authorized by plant management.
- 4. When working overhead, signs reading "DANGER MAN OVERHEAD" shall be placed below and, in many instances, a watchman should be stationed to warn employees in the vicinity. Whenever possible, such areas should be roped off.
- 5. Do not work on or about overhead crane runways without first getting approval from plant management.
- 6. Approval from plant management shall be obtained before going on roofs.
- 7. All excavations or floor openings shall be guarded with stranded guardrails or be securely covered. In many cases, these areas should be marked with warning lights or signs at night.
- 8. In new construction or repairs, the surrounding premises must be kept as clean and orderly as possible. Boards with nails stuck in them must not be left lying around.
- 9. When using plant utilities such as gas, air, electricity or fuel, the source of supply shall be determined by plant management.
- 10. Insist upon extra caution when working near electric lines, hot rails, steam, gas, water, product lines and air services to operating departments. If necessary to disrupt services, or if there are any questions, contact operating supervision or delegated personnel.

11. The following regulations apply to **CRANE OPERATORS:**

- (a) Flagman should be used at all times when crane is moved through the plant.
- (b) Mobile cranes so designed shall be moved with back of cranes facing the direction of travel and boom pointing in the opposite direction of motion.
- (c) Heavy equipment shall <u>not</u> be operated near an open excavation when the condition of the earth appears to be such that it may not support the superimposed load.
- (d) Be alert to all equipment, overhead lines, product and service lines in the plant. Never make a lift over a gas main, product line or power lines unless it is done with the knowledge and consent of plant supervision.
- (e) All booms shall be kept a safe distance from all high voltage lines and hot rails unless such lines have been de-energized or effectively guarded against danger of accidental contact.
- 12. "HOT WORK" permit systems will be necessary in some areas or plants. In any case, burning or welding operations shall not be started without first securing approval from plant management. Adequate fire protective equipment shall be on hand before work begins.
- 13. Carrying of matches, smoking or use of open lights of any description will be strictly forbidden in some areas or plants. Watch for "NO SMOKING" signs and comply with them.
- 14. "SAFE WORK PERMIT" systems may have to be set up in some areas for some jobs in order to coordinate construction activities with plant operations and to protect workers from any hazards that may exist in the operation. Again, this will be discussed and set up before the job starts.
- 15. The following rules refer to pipe work in operating plants:
 - (a) Provide and maintain adequate ventilation for those who work inside pipes or in other confined locations.
 - (b) When work is being performed on or near pipelines, they shall be treated as though carrying hazardous materials until determined otherwise.
 - (c) Valves shall not be opened or closed until permission is obtained from plant supervision.
 - (d) All necessary precautions will be taken when working on or near pipelines containing hazardous materials.

(1) When work is to be done on pipe that contains acids, alkalis, chemicals, tars, gas, water, steam or air under pressure, employees shall lock control valves in closed position and, when applicable, drain, bleed, purge and blank the section to be repaired.

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- (2) When a flange is opened and there is any danger of chemicals, acids, tars or other harmful pressurized product draining or spurting out on persons, procedures shall be set up to deflect or protect against such drainage or spurting.
- (3) All exposed parts of the body shall be protected when doing such work. Proper face shields, goggles, gloves, etc. shall be worn. Respiratory protection <u>must</u> be worn where there is danger from fumes. Regular gas tests shall be taken where necessary.
- (4) Pulling and installing blanks under gas pressure shall not be done where there is any possibility of fire, explosion, or asphyxiating workers.
- 16. All plant roadways must be kept passable at a moment's notice for fire fighting equipment. If it is necessary to block a roadway for a long period of time, the contractor will contact plant supervision for permission.
- 17. The use of water from a fire hydrant for construction purposes is **forbidden** unless specific approval has been received from plant management.
- 18. All combustible scrap is to be removed from the plant. No burning of waste is to take place within the plant area.
- 19. Fire hydrants and hose houses <u>must</u> be easily accessible and material shall be kept at least six feet from them.
- 20. Gonstruction material <u>must</u> be kept at least six feet from railroad tracks.
- Do not work on or around cars or on tracks where you cannot be seen by an engine crew without placing BLUE FLAG on the track to protect yourself.
- 22. The following rules apply to the operation of contractor trucks or vehicles within the plant:
 - (a) All vehicles <u>must</u> come to a complete stop at all gates, stop signs, and at railroad crossings so designated. Posted speed limits shall be obeyed. In the absence of posted speed limits, safe speed limits shall be observed.

- (b) Watch plant equipment. Be alert to the movement of railroad cars and any other equipment that could strike your vehicle. Take care to avoid colliding with product lines or power lines.
- (c) Where a number of men and various types of equipment are working a spotter shall be used in backing. Otherwise, blow your horn to give a back-up signal.
- (d) It may be necessary to haul workers in trucks from one location to another within the plant. Workers shall not be allowed to stand on the running board or bed of a truck or on the end of a truck with legs overhanging in such a position that they could be struck by a passing vehicle or caught between the truck and a building or other objects.
- (e) Workers shall not be permitted to ride on a heavily loaded truck because the load may shift and injure them. When riding on a high load, men could be struck by overhanging portions of structures, pipelines and other obstructions.
- (f) To avoid overhead lines or other low clearances, the dump box shall be lowered as soon as the truck clears the dumped load.
- (g) Truck hauling debris shall be loaded so as to prevent spillage during transit.
- 23. Approval from plant management shall be obtained before storing gasoline, fuel oil or other flammable liquids and proper safety precautions set up.
- 24. Long sleeve shirts, long pants, hard hats, metatarsal safety shoes and safety glasses with side shields MUST be worn by all personnel while on Koppers' property. Additional personal protective equipment (such as splash protection (i.e., goggles/face shield), gloves, respirators, etc) shall be used depending on job activities. Additional job-specific personal protective equipment may be required by Koppers management. Safety equipment is to be supplied by the contractor.
- 25. All injuries of any nature must be reported to plant Safety Department for immediate follow-up and investigation. No injury is too small to report.

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SAFETY REGULATIONS FOR VISITORS ENTERING KOPPERS INDUSTRIES, INC. PLANTS

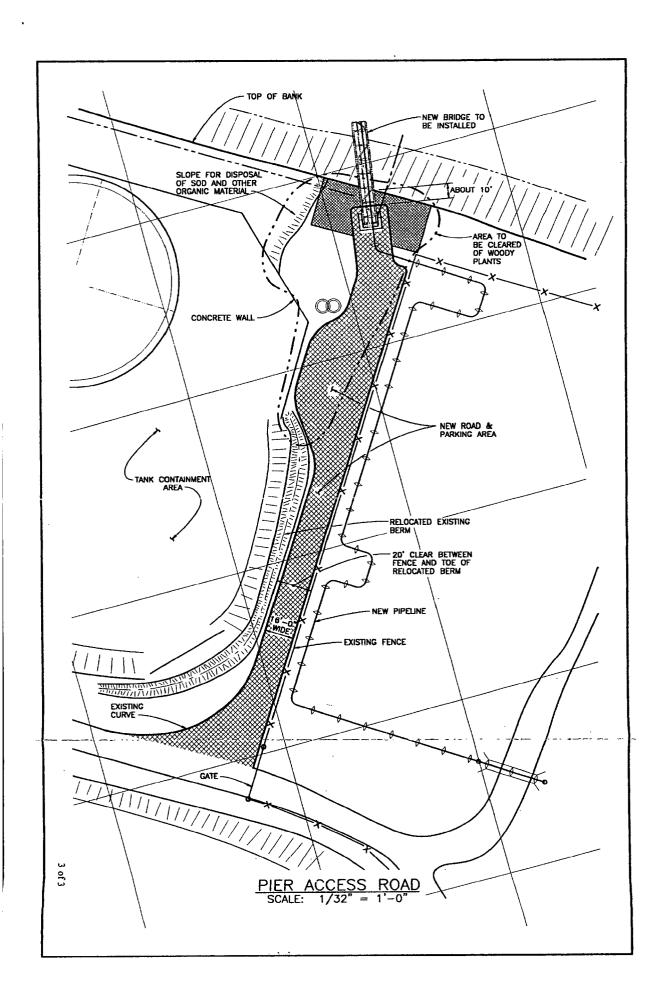
The following rules are meant as minimum requirements for safety while on Koppers Industries Plant property.

- Wear required personal protection when entering the plant and upon leaving the office, parking lot and/or service building depending on plant layout including:
 - Hard hat
 - Metatarsal safety shoes
 - Safety glasses with side shield
 - Long pants
- Wear face shield/splash goggles, and long sleeve shirt, where the potential for splash or skin contact exists.

SAFETY REGULATIONS FOR TRUCK DRIVERS ENTERING KOPPERS INDUSTRIES, INC. PLANTS

The following rules are meant as minimum requirements for safety while on Koppers Industries plant property.

- Observe stop signs
- Observe plant speed limit
- Wear required personal protective equipment when outside tractor cab including:
 - Hard hat
 - Metatarsal safety shoes
 - Safety glasses with side shield
- Wear face shield/splash goggles, long sleeve shirt, long pants when handling (loading/unloading) materials with splash or skin contact potential
- No smoking
- Do not park in fire lanes
- Remain with your truck or in designated areas at all times



McKernan File No. P97-10 October 1998

SPECIFICATION LIQUID PITCH UNLOADING FACILITY PIER ACCESS ROAD AND SITE PREPARATION

PREPARED FOR:

Koppers Industries, Inc. 7540 NW St. Helens Road Portland, Oregon 97210

Phone: (503) 286-3681

PREPARED BY:

J. Cameron McKernan Company Engineering + Naval Architecture 825 NE 20th Avenue, Suite 110 Portland, Oregon 97232

Phone: (503) 232-7211

McKernan File No. P97-10 October 1998

WORK DESCRIPTION

This specification describes some preliminary site work at the shore end of a new bridge to access an existing pier.

The work is on property owned by Northwest Natural Gas Company and leased by Koppers Industries, Inc. The work is adjacent to a petroleum truck and marine terminal and storage tanks operated by Pacific Northern Oil Co. at 7900 NW St. Helens Road, Portland, Oregon. The attached sketches show the work area. The work is described as follows:

- 1. Mechanically remove (cut-down and grub out) existing woody vegetation at the top of the riverbank and the adjacent area to be used for bridge access. Part of the area is covered with blackberry vines, Scotch broom, and a few small trees. Removed materials are to be hauled off-site and disposed of by the Contractor.
- 2. Remove vegetation (sod and other organic material) from the parking and top of bank area. This removed material may be "dumped" on the slope just to the northwest of the area between the retaining wall and the riverbank.
- 3. Grade a smooth new roadway and parking area from existing road to top of riverbank as shown on attached sketch. New roadway to have a finished width of 16 feet plus parking and curve areas. Grading will require moving existing 2-foot high berm alongside the west side of roadway to make room for the new roadway. The existing berm is to be simply pushed over and reformed to clear the new roadway. It is not intended to remove any soil material from the site. After grading and smoothing, the surface is to be compacted using a suitable roller.
- 4. Lay a heavy semi-impervious geo-technical cloth material over the graded and compacted new roadway and parking area. Cloth to be similar to TYPAR 3401 (4 ounce per square yard, spunbonded nonwoven polypropylene).
- 5. Fill over the geo-technical cloth with an eighth inch deep layer of gravel in two layers:

bottom layer: 2" to 1" crushed rock about 4" thick

top layer:

1" minus crushed rock about 4' thick

Each layer to be smoothed and compacted.

6. On completion and acceptance of work, Contractor to clean up site and remove all Contractor's equipment. Site to be clean and neat to the satisfaction of the Koppers Industries' Representative.

Cont'd . . .

McKernan File No. P97-10 October 1998

HAZARDOUS MATERIALS

The Northwest Natural Gas Co. site has surface and buried hazardous materials scattered throughout the area. Tars, benzene, petroleum derivatives, and other hazardous materials may be encountered during the work. The Contractor shall observe all the requirements of the OSHA Regulations contained in 29 CFR § 1910.120, Hazardous waste operations and emergency response.

The Contractor shall supply Koppers Industries with verification of each of the on-site employees' completion of the 40 hours instruction and other training as required by 29 CFR 1910.120. A copy of the on-site employees' Training Certification shall be furnished to Koppers Industries.

KOPPERS INDUSTRIES, INC. "TERMS & CONDITIONS"

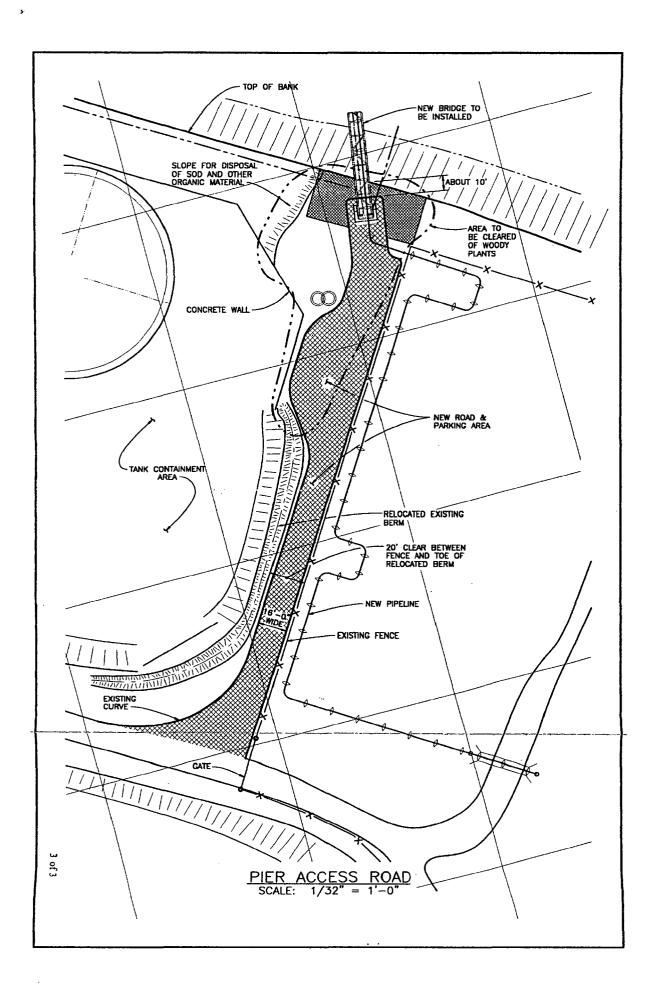
The Contractor will be issued a Purchase Order containing the attached "Terms and Conditions . . . " K1-63, Rev. 6 (3 sheets). This document states Contractor's insurance and other requirements which will be applicable to the Purchase Order.

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- Safety Regulations for Visitors Entering Koppers Industries, Inc. Plants
- Safety Regulations for Truck Drivers Entering Koppers Industries, Inc. Plants

Cont'd . . .





FAX TRANSMITTAL

Koppers Industries, Inc. 17540 N.W. St. Helens Road Portland, OR 97210-3663

TO: Mike HAYWANL	Telephone: 503-286-3681 DATE: 10/26/98 Fax: 503-285-2831
FROM: Anas KAMERER	TOTAL # OF PAGES: 6
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IF THIS TRANSMITTAL IS IN ERROR. PLEASE CALL 503-286-3681 FAX # 503-285-2831

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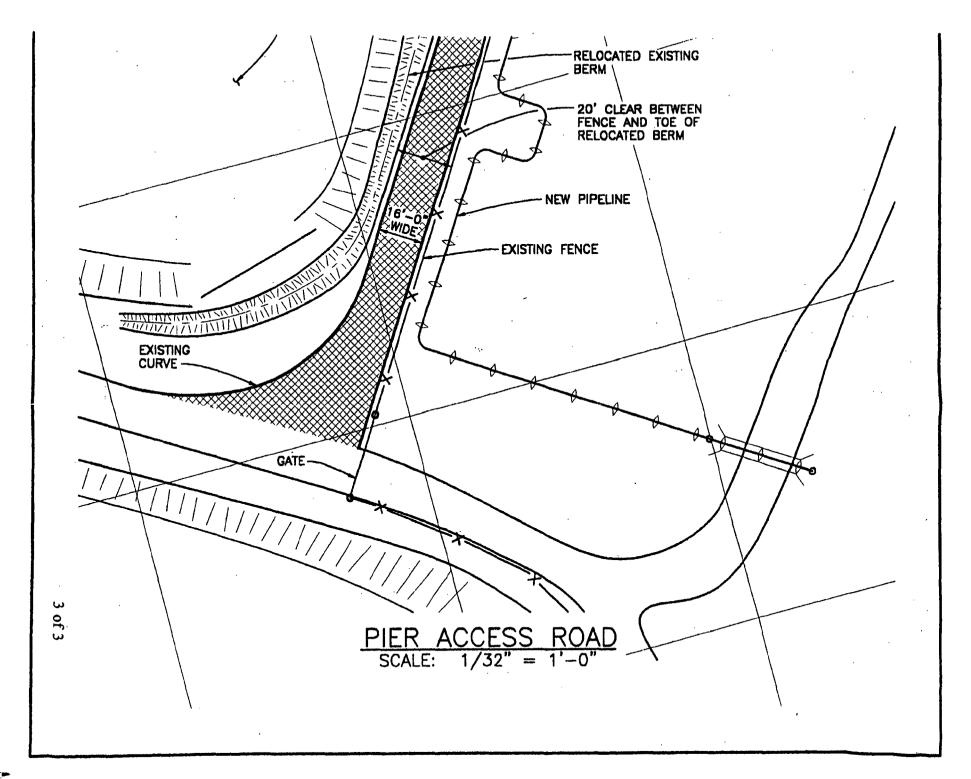
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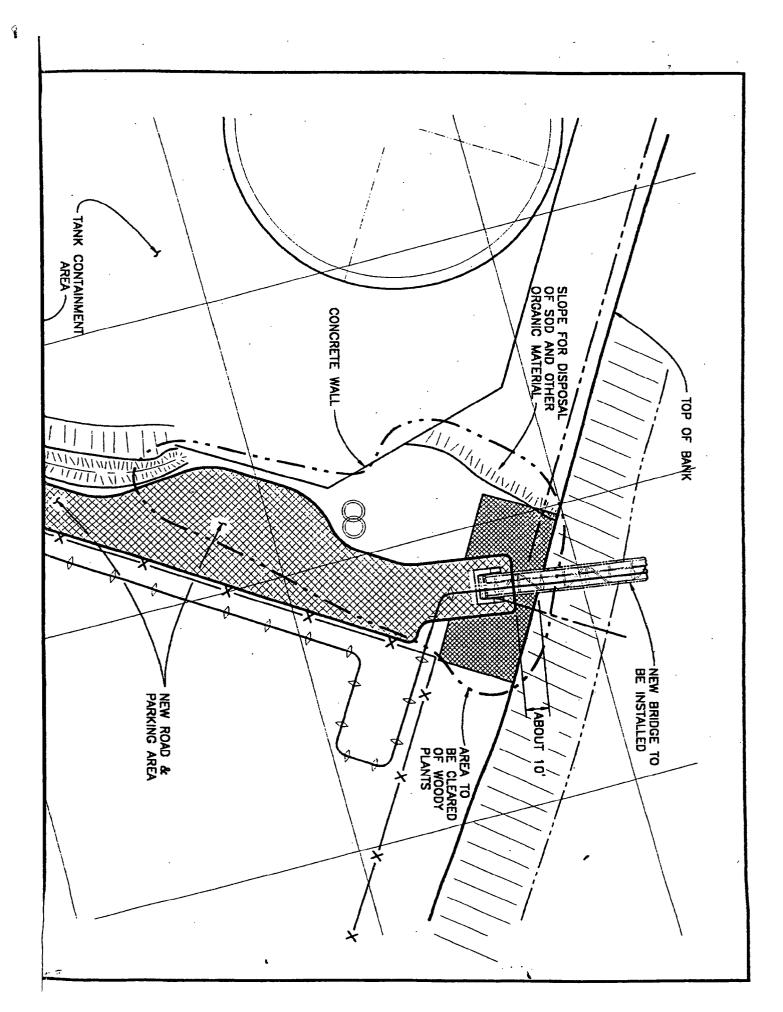
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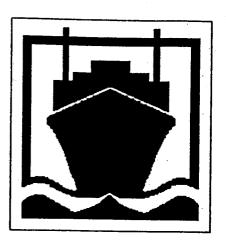




APPROVED
U. S. COAST GUARD
MARINE SAFETY OFFICE
PORTLAND, OREGON

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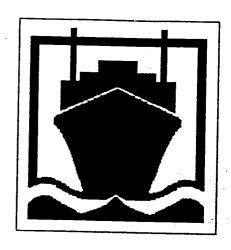




OPERATIONS MANUAL

PACIFIC NORTHERN OIL PORTLAND FACILITY

AUGUST 1997



OPERATIONS MANUAL

PACIFIC NORTHERN OIL PORTLAND FACILITY

AUGUST 1997

PACIFIC NORTHERN OIL	Page 1 Rev. 3 7-19-99
PORTLAND OIL FACILITY OPERATIONS MANUAL	
TABLE OF CONTENTS	
1. Geographical Location of Facility	2
2. Physical Description of Facility	3
3. Hours of Operation	3
4. Vessel Information	4
5. Product and Cargo Information	5.
6. Number and Duties of Personnel	6 7
7. Emergency Telephone Numbers	8
8. Duties of Watchman (for unmanned vessels)	8 8
9. Communication	8
10. Personnel Shelter	
11. Discharge Collection	8 8
12. Emergency Shutdown	
13. Monitoring Devices	8 9
14. Containment Equipment	10
15. Fire Extinguishing Equipment	10
16. Maximum System Pressure	10
17. Procedures for:	11
Operating Loading Arms	11
Transferring Oil	12
Completion of Pumping	12
Emergencies	13
18. Reporting and Containing Oil Spills	13
19. Applicable Oil Pollution Laws and Regulations	14
20. Portable Lighting	14
21. Training and Qualification of Persons-in-Charge	15
22. Hose Markings	•••
23. Tank Cleaning	Not Applicable
Appendix A. LIST OF QUALIFIED PERSONS-IN-CHARGE	16
Appendix B. DECLARATION OF INSPECTION	17
Appendix C. FACILITY LAYOUT DRAWING	18
A SAADDRIAL CAPETY DATA CHEETE	19

Page: 1
Rev: 2
Date: 8-1-97

TABLE OF CONTENTS

T. Geographical Eucation of Facility	
2. Physical Description of Facility	
3. Hours of Operation	
4. Vessel Information	
5. Product and Cargo Information	5
6. Number and Duties of Personnel	6
7. Emergency Telephone Numbers	7
8. Duties of Watchman (for unmanned vessels)	8
9. Communication	8
10. Personnel Shelter	
11. Discharge Collection	8
12. Emergency Shutdown	
13. Monitoring Devices	
14. Containment Equipment	9
15. Fire Extinguishing Equipment	10
16. Maximum System Pressure	
17. Procedures for:	
Operating Loading Arms	
Transferring Oil	
Completion of Pumping	
Emergencies	
18. Reporting and Containing Oil Spills	
19. Applicable Oil Pollution Laws and Regulations	
20. Portable Lighting	
21. Training and Qualification of Persons-in-Charge	
22. Hose Markings	15
Appendix A. LIST OF QUALIFIED PERSONS-IN-CHARGE	16
Appendix B. DECLARATION OF INSPECTION	
Appendix C. FACILITY LAYOUT DRAWING	18
Appendix D. MATERIAL SAFETY DATA SHEETS	19



Page: Rev: Date: 8-

1. Geographical Location of Facility

The Pacific Northern Oil (PNO) Portland Oil Facility addressed by this Operations Manual is located in Portland, Oregon at 7900 NW St. Helens Road, approximately 1/2 mile upstream of the St. Johns Bridge on the southwest shore of the Willamette River (near River Mile 6.5). Geographically, the location of the facility is:

Latitude:

45 degrees, 35 minutes, North

Longitude:

122 degrees, 46 minutes, West.

The address and 24-hour phone numbers of the facility are:

Facility Name:

Portland Marine Fuel Oil Facility

Facility Address:

7900 NW St. Helens Road, Portland, OR 97210

County:

Multnomah

Telephone:

(503) 286-9621 (24-hour telephone) or

(503) 286-5321 (Boiler Control Room)

Fax:

(503) 286-9794

The procedure for contacting the facility operator on a 24-hour basis is to telephone:

(503) 286-9621

This number is the telephone number of the facility main office that is answered by office staff Monday through Friday, between 8 AM and 5 PM. After hours, this telephone number is monitored by an answering service who can connect callers with the on-call person responsible for handling facility operations and emergencies. Also, if the facility is operating, personnel may be reached by calling (503) 286-5321 in the facility control room.

Facility Operator

The operator of the facility is:

Pacific Northern Oil

100 West Harrison St. Suite 200 North, Seattle, Washington 98119 Attention: Mr. George Markwood (206) 282-4421 (24-hour)

Facility Owner

The owner of the facility is:

Northwest Natural Gas Company 220 NW Second, Portland, OR 97209 (503) 226-4211



Page: 3 Rev: 2 Date: 5-1-97

2. Physical Description of Facility

This Operations Manual addresses only the operations of PNO and those oil storage tanks at the facility leased by PNO from Northwest Natural Gas Company. PNO began operations at this facility in August, 1979. Prior to that time, others operated the fuel oil terminal. The facility has been in industrial service since the early 1920's. The start up date of the oil storage tanks is unknown.

Tanks and Facility Operations

The facility is designed to receive and store various grades of fuel oils and lubricants by truck, rail car, pipeline, barge, or tanker and to mix these various grades of oil together to make marine and industrial fuel oils. These products are delivered by truck or barge. The SIC code for PNO is 5171.

Dock Pipelines

Fuel oil transfers to and from the facility fuel oil dock are made in three parallel, aboveground pipelines, one 12-inch diameter for heavy fuel oil, one 10-inch diameter for diesel oil, and one 8-inch diameter for cutter oils and marine diesel oil (MDO). The line-fill capacity of the fuel oil line is approximately 63 barrels, the line-fill of the diesel pipeline is approximately 44 barrels, and the line fill of the cutter/MDO pipeline is approximately 28 barrels. These pipelines run aboveground directly from the tank yard areas to the dock "risers" at the fuel oil dock service platform. All pipelines may be isolated with manually operated gate valves located at the shore end of the dock walkway and at the dock service platform. Refer the Facility Layout drawing, Figure 1-3, Appendix C.

Volume of Oil Transfers

Oil tankers delivering products into the tanks have been as large as 50,000 DWT while the largest barges have had capacities of approximately 100,000 barrels. Actual oil volumes transferred are typically much smaller. For example, the largest transfer in 1992 was just under 66,250 barrels. The average daily throughput of oil at the facility is approximately 6,500 barrels per day.

3. Hours of Operation

The facility may operate at any time, 24 hours a day, seven days a week. For nighttime operations, refer to Section 20 for lighting requirements.



Page: **4** Rev: 2 Date: 8-1-97

4. Vessel Information

Fuel oil is transferred in bulk to and from oil tank vessels or barges brought to the facility by tug boats. Oil barges may vary in length from 120' to 350' and have oil storage capacities that range between 5,000 barrels and 75,000 barrels. Frequently, fuel oil is delivered directly to a vessel (such as a tug boat) moored at the fuel oil dock where a fuel oil transfer hose may be directly connected between the facility oil riser valve and the vessel. Vessels taking fuel oil in this manner from the facility may be as long as 200 feet.

Simultaneous Vessel Operations

There is only one vessel berth at the facility fuel oil dock. Simultaneous transfer operations involving two or more vessels do not occur. However, it is common to load or unload trucks, or to unload railroad tank cars, at the tank farm area simultaneously with transfers to or from the dock.

In case of any emergency, such as an oil spill, during simultaneous operations, all transfer operations at the facility are shut down by facility personnel so that the emergency conditions may be addressed.



Page: 5 lev: 2 Date: 8-1-91

5. Product and Cargo Information

List of Products Transferred

The common names of the marine fuel oils transferred to or from vessels may include Marine Gas Oil (MGO), Marine Diesel (MDO), Intermediate Fuel Oil (IFO of various viscosity grades), Residual Oil, No. 6 Fuel Oil, and Bunker C (BFO). The proper shipping names of the oil products carried are shown on the Shipping Papers (Bill of Ladings) for the cargo.

Generic Chemical Names	(Refer to 46 CFR 30.25-1)	
Marine Gas Oil	Oil, fuel No. 2 or Oil, Diesel	
Marine Diesel Oil	Oil, fuel No. 2-D	
 Intermediate Fuel Oil 	Oil, fuel No. 6	
 Residual Oil, No. 6 Fuel Oil, Bunker C 	 Oil, fuel No. 6 or Oil, Residual 	

All of these oil products have common characteristics, handling hazards, and emergency procedures outlined in the following paragraphs (for more information, refer to North American Emergency Response Guidebook, Guide 128, Flammable Liquids). In addition, Material Safety Data Sheets (MSDS's) contain information about the appearance, odor, and hazards of the oil products transferred. The MSDS's also include instructions for safe handling, first aid, and fire fighting. Typical MSDS's for oil products handled at the facility are included in Appendix D of this manual. All MSDS's for materials handled at the facility are located in a binder at the facility office. The procedures to follow in case of an oil spill at the facility are covered in the Facility Oil Spill Contingency Plan.

Common Characteristics

Appearance: Amber to black oily viscous liquid appearance.

Odor: Strong hydrocarbon odor.

Handling Hazards

- Inhalation, ingestion, or skin or eye contact may irritate or burn skin and eyes
- Vapors may cause dizziness or suffocation
- Vapors may form explosive mixtures with air
- Vapors may travel to ignition source and flash back
- Vapors may be heavier than air, spread along ground and collect in low areas or confined spaces
- Runoff to sewer may create fire or explosion hazard
- Containers may explode when heated
- Many liquids are lighter than water
- Products may be transported hot

Safe Handling Instructions

- Ground all equipment
- Wear personal protective equipment including safety glasses, protective gloves and boots

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Emergency Procedures

First Aid Procedures

- Call for emergency medical care
- Move victim to fresh air
- · Apply artificial respiration if victim is not breathing
- · Administer oxygen if breathing is difficult
- Remove and isolate contaminated clothing and shoes
- For skin or eye contact, flush with running water for at least 20 minutes
- Wash skin with soap and water.
- Keep victim warm and alert
- Alert medical personnel to product hazards and necessary precautions

Spill or Leak Procedures

- Isolate spill or leak area
- Keep unauthorized people away
- Stay upwind
- Keep out of low areas
- Ventilate confined spaces before entering
- Eliminate all ignition sources
- Do not touch or walk through spilled material
- Stop leak if possible without risk
- · Prevent entry into waterways, sewers, or confined spaces
- Reduce vapors with foam
- Absorb or cover with dry earth, sand, or non-combustible material and transfer to containers
- Use clean, non-sparking tools to collect absorbed material

Fire Fighting Procedures

- Fire may produce irritating, corrosive and toxic gases
- Runoff from fire control may cause pollution
- For small fires, use dry chemical, CO2, water spray, or regular foam
- For large fires, use water spray, fog, or regular foam. Do not use straight streams.
- Move containers from fire area is possible without risk

6. Number and Duties of Personnel

For each transfer to or from a vessel, a qualified and designated facility **Person-In-Charge** (PIC) is assigned to supervise the transfer operation according to state and federal regulations. The facility PIC, also known as the dock operator, is positioned at the fuel oil riser valve for each oil transfer to a vessel. The dock operator handles hoses, operates valves, maintains communications with the vessel, and monitors the transfer in accordance with this Operations Manual.

The Shift Supervisor is positioned at the tank farm to operate the transfer pumps and monitor the oil storage tanks. Additional personnel may be on-hand to assist the facility personnel, if required.

Personnel on the vessel are present and perform duties in accordance with the vessel's Oil Transfer Procedures.



Page: 7
Rev: 2
Date: 8-1-9

(206) 298-5283

(206) 282-4793

7. Emergency Telephone Numbers

1. Facility Manager: George Markwood

(Spill Response Manager and

In case on an emergency, the on-duty shift supervisor will immediately call:

911 IN CASE OF INJURY, FIRE OR EXPLOSION.

After shutting off all pumps, closing all valves, and assessing details of the emergency, the onduty shift supervisor will call the following people:

Office:

Home:

Qualified Individual (QI))		Pager:	(206) 994-2767
If no answer: Terry Bergma (Alternate QI)	an	Office: Home: Pager:	(206) 298-5285 (206) 485-0169 (206) 986-3200
2. Primary Response Contractor(s):			•
Foss Environmental:	at Portland: at Seattle:		(503) 283-1150 (206) 281-3810
3. NWNG, Security (at facility gate):			(503) 286-5250
Immediately, upon receiving the call an will call the following:	nd details about an oil spi	ill, the QI, or th	e designated alternate QI,
USCG National Response Center (N	IRC) – Command Cente		(800)-424-8802 or (202)-267-2675.
2. Oregon Emergency Response Syste	em (OERS) – Duty Office		(800)-452-0311 or (503)-378-6377.
3. Local USCG Marine Safety Office -	24-Hour Watchstander		(503) 240-9301.
4. Alternate QI:Terry Bergman		Office: Home: Pager:	(206) 298-5285 (206) 485-0169 (206) 986-3200
5. Northwest Natural Gas Company			
Sandi Hart at Office: E or Distribution Dispatch		•	(503) 226-4211 (503) 226-4211
6. Corp. of Engineers			
Bill Switzenberg, Shipy Brandon Smith, Envir.		Office:	(503) 326-5636 (503) 326-2477
7. Portland Fire Department			911

If there is no answer at any of these numbers, call the next number, and after 5 minutes, try calling the unanswered number again.

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Page: 8 Rev: :: Date: 8-1-9

8. Duties of Watchman (for unmanned vessels)

Transfers from the facility do not occur with unmanned vessels.

9. Communication

During transfer operations, the Persons-in-Charge will use voice communication whenever practical.

If voice communication is ineffective or impractical, portable radios will be used for communication. These radios will be available to the facility Person-in-Charge and to the vessel Person-in-Charge.

The portable radios used during oil transfers are "intrinsically safe" and suitable for use in Class I, Division I, Group D areas.

In addition, there is a telephone at the fuel oil dock service platform and in the boiler control room.

10. Personnel Shelter

There is a personnel shelter on the fuel oil dock service platform. The personnel shelter is fitted with the following facilities: Operations Manual, Facility Oil Spill Response Plan Field Manual, electric space heater, and telephone.

11. Discharge Collection

Fixed containment with at least 3 barrels of capacity for discharge collection is provided at the riser valve location to collect minor leaks, drips, or discharges. The fuel oil dock service platform is constructed to contain spilled oil and rainwater up to a volume of 4,280 gallons. Under the oil riser valves on the service platform there is a fiberglass lined concrete 3-foot deep sump with a capacity of 1,770 gallons. The service platform sump is inspected daily and emptied automatically with a float operated, permanently installed pump on the dock service platform. Oil and water is processed through an oil water separator. Recovered oil is returned to the facility tanks and water is discharged under an NPDES permit.

12. Emergency Shutdown

In an emergency, a fuel oil transfer pump may be stopped with either the pump start/stop switch located at the pump or one of the remote pump emergency shutdown switches located at the fuel oil dock service platform, the tank truck loading rack, and the boiler control room. In addition, for emergency shutdown, facility personnel close all valves and turn off all sources of ignition. All oil transfer piping isolation valves are manually operated. In an emergency, shutdown may be accomplished in thirty (30) seconds.

13. Monitoring Devices

The Captain of the Port does not require this facility to provide or install monitoring devices at this time. Monitoring is done visually by the facility personnel.

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Page: 9 Rev: : Date: 8-1-9

14. Containment Equipment

Normally, the facility is equipped with the following minimum spill containment and response materials:

a)	Containment boom (Kepner)	1000 feet,
b)	Sorbent pads	200,
c)	Sorbent sweeps	200 feet,
d)	Sorbent pom-poms	200,
e)	Sorbent sausage boom	50 feet,
f)	Granular absorbent (Kitty Litter)	10 bags.

Location

The oil containment boom is stored in a large plywood box on the riverbank adjacent to the downstream mooring dolphin at the facility (refer to the Facility Layout Drawing, Figure 1-3). Sorbent materials are stored in the facility warehouse. The spill response boat is located on the fuel oil dock service platform.

Access and Deployment

The spill response boat is accessed from the fuel oil dock service platform and is launched using the dock crane. The containment boom storage box is accessed from riverbank. Deployment of the containment boom is accomplished as follows: Manually, remove the plywood covers of the containment boom storage box. Manually, pull out the free (leading) end of the containment boom and feed the end into the plywood trough leading to the water's edge. With the spill response boat, retrieve the tether attached to the free end of the containment boom and tie it to a cleat on the stern of the boat. Manually drag the boom section by section from the storage box as the motor boat tows the free end away from the dock.

With the motor boat, make a best effort to tow the containment boom around the spilled oil. Secure each end of the boom to the riverbank or to the side of the vessel with rope in the best way to confine the spilled oil to a limited area.

The sorbent materials are deployed by hand as necessary on the water surface from the shoreline or from the spill response boat to absorb the spilled oil. Reposition and retrieve sorbent materials with pike poles or rakes. Place oil soaked materials and debris in 10 mill plastic bags for collection and proper disposal.

Deployment Time

Unless there is an injury or fire, there are unforeseen difficulties in equipment shutdown, or there are other mitigation measures necessary, the on-duty facility personnel can access the facility containment equipment in approximately 30 minutes. The deployment of all of the facility containment boom is not expected to exceed 60 minutes from spill detection.

The facility containment materials will be sufficient to contain an average most probable discharge. For larger discharges, the PNO will call a Primary Response Contractor listed in Section 7, Emergency Telephone Numbers, of this manual and in the Facility Oil Spill Contingency Plan. The response time for the Primary Response Contractor is estimated to be 2 hours or less.



Page: 10 Rev: 2 Date: 8-1-97

15. Fire Extinguishing Equipment

20 pound dry chemical fire extinguishers are located throughout the facility. There are four fire extinguishers located on the fuel oil dock. One is at placed about mid-way on the dock walkway. Another is at the dock-end of the dock walkway. There are two on the dock service platform. All personnel are trained in the proper use of the fire extinguishing equipment.

To operate the fire extinguisher:

- Remove the extinguisher from its mounting bracket,
- Hold upright,
- Release nozzle from holder,
- Pull safety pin,
- Press lever to activate charge.
- Squeeze handle on nozzle, and
- Direct discharge at base of flame with side-to-side motion.

DO NOT direct discharge at surface of burning liquids from closer than 8 feet.

In addition, there are fire water hydrants located throughout the facility. The fuel oil dock is fitted with a "dry pipe" fire water system and there is one hose reel located at the dock service platform and another hose reel located at the dock-end of the dock walkway. Sprinkler heads are spaced evenly under the wooden dock walkway structure. In addition to the dry-pipe system, there are fittings to allow fire department pump trucks to pressurize the fire water system from the shore end of the dock walkway.

To operate the fire hose:

- Pull hoses from hose reels until fully extended,
- Station one man at nozzle and one man at valve,
- Open valve,
- Station both men at nozzle,
- Spray water in side-to-side motion.

16. Maximum System Pressure

The maximum operating pressure of the oil transfer piping is 150 psig. The positive displacement transfer pumps have relief valves set at or below 100 psig. All piping is tested annually at 1.5 times the maximum operating pressure.

All oil transfer hoses used to transfer oil to marine vessels have design burst pressures of at least 600 psig and maximum allowable working pressures of at least 150 psig. All oil transfer hoses will be liquid pressure tested annually to 1.5 times the maximum allowable working pressure, or 225 psig.

When the oil transfer pipelines are idle and gate valves are closed, the pipelines are protected by pressure relief valves from overpressure caused by thermal expansion of the oil (caused by sunshine or steam heating). The thermal pressure relief valves that automatically open at 100 psig or above to momentarily relieve excessive pressure are spring loaded to re-close.

11

17. Procedures for:

Operating Loading Arms

The facility does not have loading arms at the dock.

Transferring Oil

The procedures for transferring oil products are:

- Secure the area around the dock riser valve,
- Check properly placed warning signs,
- Check discharge containment,
- Check availability of spill response equipment and supplies,
- Anticipate what to do and who to call in case of a spill,
- Identify Vessel Person-in-Charge.
- Agree on the use of common language for communications.
- Establish and test adequacy of communications devices,
- Check that vessel moorings are secure.
- Check for closed overboard discharges, including sea suction valves, on vessel,
- Hold face-to-face Pre-Transfer Conference with Vessel Person-in-Charge,
- Agree on types and quantities of oil products to be transferred,
- Agree on safe pumping rates,
- Review vessel loading plan and need to stop while topping off or switching tanks,
- Identity vessel personnel on-duty during transfer and time of any watch change,
- Agree on Emergency Shutdown signals and procedures,
- Complete and sign the Declaration of Inspection,
- Double check operability of communications systems
- Inspect hoses for damage,
- Deploy and support hose of sufficient length to reach vessel connections, allowing for tide and vessel movements,
- Make proper hose connections at facility riser valve and at vessel connection,
- Install bolts in every flange bolt hole or strap down locking ears on "Cam-Lok" quick connect couplings,
- Check placement of discharge containment,
- Align and check transfer piping valves (isolate unused tanks),
- Agree with Vessel Person-in-Charge to begin transfer,
- Begin transfer by starting pumps and opening transfer pipeline valves at facility and on vessel.
- Start with low flow and check for proper connections, valve alignment, and leaks.
- After thorough system check, slowly bring flow rate to normal operating rate.



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- Monitor transfer operation continuously:
 - Check hose for kinks or strain,
 - Check pump pressures, adjust flow with pump discharge valve,
 - · Check valves, fittings and connections for leaks, and
 - Check water surface for signs of floating oil,
- Stop the transfer operation if:
 - Hose becomes kinked or strained,
 - · Oil is spilled outside of containment onto the ground or onto the water,
 - Communication or power is lost,
 - Lighting becomes inadequate, or
 - Weather is bad (such as during an electrical storm).

Completion of Pumping

The procedure for completing the transfer operation is:

- Stop the oil transfer pumps at the facility or on the vessel,
- Close all oil transfer pipeline valves or align valves to reverse flow to establish suction pressure on oil transfer pipeline,
- Verify with vessel Person-in-Charge that operation is shut down,
- Empty transfer hoses,
- Close valves on vessel,
- Disconnect, drain, and properly stow all equipment and
- Cap ends of all pipes and hoses.

Emergencies

In an emergency, the shutdown procedure is:

- Alert the vessel Person-in-Charge,
- Close all oil transfer pipeline valves at the facility and on the vessel,
- Shut off all pumps,
- Turn off all engines and sources of ignition.
- In case of fire or explosion, call 911 and fight small fires or else evacuate area,
- In case of injuries, call 911 and administer first aid, if feasible, and
- In case of oil spill, activate the Facility Oil Spill Contingency Plan.

The emergency shutdown procedure may be accomplished in thirty (30) seconds.

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Page; Rev:

13

18. Reporting and Containing Oil Spills

In case of an oil spill, use the Facility Oil Spill Contingency Plan.

- Immediately notify the Vessel Person-in-Charge,
- Take immediate action to stop spillage and limit environmental damage,
- Use containment equipment and supplies to contain and absorb spilled oil,
- · Call Primary Response Contractor for assistance,
- Report the spill to the following:
 - PNO Facility Manager, Qualified Individual (QI) or alternate QI,
 - National Response Center,
 - Washington Emergency Management Division office,
 - · Local US Coast Guard Marine Safety Office,
 - Local Oregon Department of Environmental Quality office,
 - Portland Fire Department, and
 - · Gate Guard.

A release of oil which produces a "sheen" on the water's surface must be reported to the state and federal government agencies, including the National Response Center, immediately. When in doubt, report all spill incidents regardless of the amount of oil released or spilled.

19. Applicable Oil Pollution Laws and Regulations

Oil transfer operations are governed primarily by the following state and federal regulations:

- a) 29 CFR 1910.1200, Hazard Communication Standard (OSHA), which specifies requirements for written hazard communication programs and employee training for facilities handling hazardous chemicals.
- b) 33 CFR 154, Facilities Transferring Oil or Hazardous Materials in Bulk, which specifies US Coast Guard requirements for oil facility operations manuals, equipment, and safety measures.
- c) 33 CFR 156, Oil and Hazardous Material Transfer Operations, which specifies US Coast Guard requirements for conducting transfer operations.
- d) 40 CFR 112, Oil Pollution Prevention, which specifies US EPA requirements for Spill Prevention, Control and Countermeasure (SPCC) Plans for oil facilities which could discharge oil into navigable waters.

Oil spills are governed primarily by the following state and federal laws and regulations:

- a) ORS 468, the Oregon State Water Quality Act, which prohibits oil from entering the waters of the state from any ship or facility and which establishes a comprehensive prevention and response program to protect state waters and natural resources from oil spills.
- b) OAR 347-47, Regulations Pertaining to Oil Spills into Public Waters, which specifies minimum requirements for oil facility spill contingency plans and requirements for facility oil spill prevention strategies.
- c) The Federal Water Pollution Control Act as amended by the Oil Pollution Act of 1990 (OPA 90), which prohibits the discharge of oil or hazardous substances into navigable waters and mandates a broad array of requirements for cleaning up oil spills including financial liabilities and civil and criminal penalties.
- d) 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response Regulations (OSHA), which specifies training requirements for people responding to oil spill emergencies.



age: 14 ev: 2 ate: 8-1-07

e) 33 CFR 154, Subpart F, Response Plans (USCG), which specifies US Coast Guard requirements for facility oil spill response plans.

f) 40 CFR 112.20, Facility Response Plans (EPA) which specifies US EPA requirements for oil facility response plans.

g) Portland Fire Code which requires notification of the Fire Chief in the event of an oil spill.

20. Portable Lighting

Transfer operations conducted between sunset and sunrise are illuminated by permanent lighting fixtures at the facility and by lights on vessels. These lights adequately illuminate each transfer connection point.

21. Training and Qualification of Persons-in-Charge

Dock operators and shift supervisors receive apprenticeship, on-the-job training in all aspects of plant operations and oil transfers before they are allowed to work alone. Each new employee undergoes drug and alcohol abuse screening tests. New employees get approximately 4 months of on-the-job training under direct supervision, with a minimum of 40 hours directly supervised vessel loading per USCG regulations to become qualified as a "person-in-charge" of transfer operations. In addition, employees receive training (with certificates) in first aid and CPR.

The competency of facility personnel is judged by their supervisor(s). Employee training in oil transfer operations is documented in personnel training records. The amount of training required to achieve competency varies based on individual employee learning capabilities.

After at least 48 hours of training and experience in transfer operation, PNO evaluates the adequacy of training and, if adequate, designates each qualified Person-in-Charge. Once designated, the name of the Person-in-Charge is added to the List of Qualified Persons-in-Charge, Appendix A.

Oil transfer training includes familiarization with the oil transfer facility operations and equipment, completion of applicable paperwork and record keeping, a review of the oil spill response plan and spill response and prevention training applicable to the employee's role and responsibilities in an oil spill emergency. Training and regular briefings cover the following topics:

- a) Hazards of the oil products handled,
- b) US Coast Guard regulations in 33 CFR 154 and 33 CFR 156,
- c) Duties and responsibilities of the Person-in-Charge,
- d) Purpose and use of the Declaration of Inspection
- e) Operating procedures in the Operations Manual,
- f) Proper and safe operation and control of facility equipment,
- g) Operation and control of vessel transfer systems,
- h) Applicable pollution regulations,
- i) Oil Spill Response Plan, including reporting and containment procedures,
- i) CPR and First Aid.



Page: 1: Rev: 2 Date: 8-1-97

Spill prevention training focuses on human factors, such as tank overflows and incorrect valve alignment, as causes of oil spills.

Spill response training covers the following topics:

- a) Spill Detection,
- b) Shut Down and Mitigation Procedures,
- c) Call Out Procedures,
- d) Notification Procedures,
- e) Emergency Response Action Plan,
- f) Use of Primary Response Contractors,
- g) Incident Command System (ICS) Purpose, Implementation, and Use, and
- h) Applicable laws and regulations.

Before being considered for promotion to shift supervisor, a dock operator usually has approximately 3 years of experience. Once chosen, a shift supervisor candidate gets approximately 6 months of on-the-job apprenticeship training with another shift supervisor.

22. Hose Markings

Each hose used for oil transfers to marine vessels will be marked with an identifying number and the words "Oil Service" and "MAWP 150 PSIG". The records of hose manufacturer, size, length, design burst pressure, maximum allowable working pressure, and annual pressure tests for each oil transfer hose will be maintained at the PNO facility office and will be cross referenced with the identifying number marked on the hose.



Page: 16
Rev: 2
Date: 8-1-97

Appendix A. LIST OF QUALIFIED PERSONS-IN-CHARGE

Each of the following individuals have met all of the qualifications for designation as a Person-in-Charge of oil transfer operations:

- 1. Gary Bucknum
- 2. Bud Dahlen
- 3. Scott Freshner
- 4. Gary Medlock
- 5. Burt Nye
- 6. Mike Satre
- 7. Bill Schaeffner
- 8. Bernie Temple
- 9. Wally Weiss

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Appendix B. DECLARATION OF INSPECTION

(1 Sheet Attached)

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PACIFIC NORTHERN OIL COMPANY

DECLARATION OF INSPECTION PRIOR TO BULK CARGO TRANSFER

/ESSELS:		START OF TRANSFER	
		DATE:	
AANSFER	······		
FACILITY:			
LOCATION: The following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 33 CFR 156.150 and the following list refers to requirements set forth in detail in 35 CFR 156.150 and the following list refers to requirements set forth in detail in 35 CFR 156.150 and the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers to requirements set for the following list refers	d 46 CFR 35.35-30 (printed		
un reverse). The spaces adjacent to items on the list are provided to indicate that	the detailed requirement	·	
has been met.		DELIVERER	RECEIVER
Communication System/Language Fluency. (156.120 (M) (P) System	tested.		
2. Warning Signs and red Warning Signals. (35.35-30)			
3. Vessels Moorings. (156.120 (a))	*:		
4. Transfer System Alignment. (156.120 (d))			
5. Transfer System; unused components. (156.120 (c))		 	
6. Transfer System; fixed piping. (156.120 (f))			
7. Overboard Discharges/Sea Suction Valves (156.120 (g))		1	
8. Hoses or loading Arms condition. (156.120 (h) (156.170))	·	 	
9. Hoses; length and support. (156.120 (b) (c))			
10. Connections. (156.130)			
11. Discharge Containment System. (156.120) (j) (l)) Drain Holes closed.		 	
2. Scuppers or Drains. (156.120 (k))			
13. Ernergency Shutdown. (156.120 (n))			
14. Repair Work Authorization. (35.35-30)			
15. Boiler and Galley Fires Safety. (35.35-30)			
16. Fires or Open Flames. (35.35-30)			
17. Lighting (sunset to sunrise). (156,J 20 (t))			
18. Safe Smoking Spaces. (35.35-30)			
19. Spill and Emergency shutdown procedures. (156.120 (q))		 	
20. Sufficient Personnel. (156.120 (o) (s))			
21. Transfer Conference. (156.120 (q))			
22. Agreement to begin transfer. (156.120 (r))			
23. Vessel. Have all fuel tanks been sounded or visually checked prior to tra	nsfer:		
I DO CERTIFY THAT I HAVE PERSONALLY INSPECTED THIS FACILITY		CE TO THE REQUI	REMENTS SET FORTH
IN SECTION 35.35-30 AND THAT OPPOSITE EACH OF THEM I HAVE IND	ICATED THAT THE REGULA	TIONS HAVE BEEF	COMPLIED WITH.
RECEIVING UNIT	DELIVERING UNIT		
Person in Charge	Person in Charge		
. «tie	Title		
Time and Date	Time and Date	T	ime completed

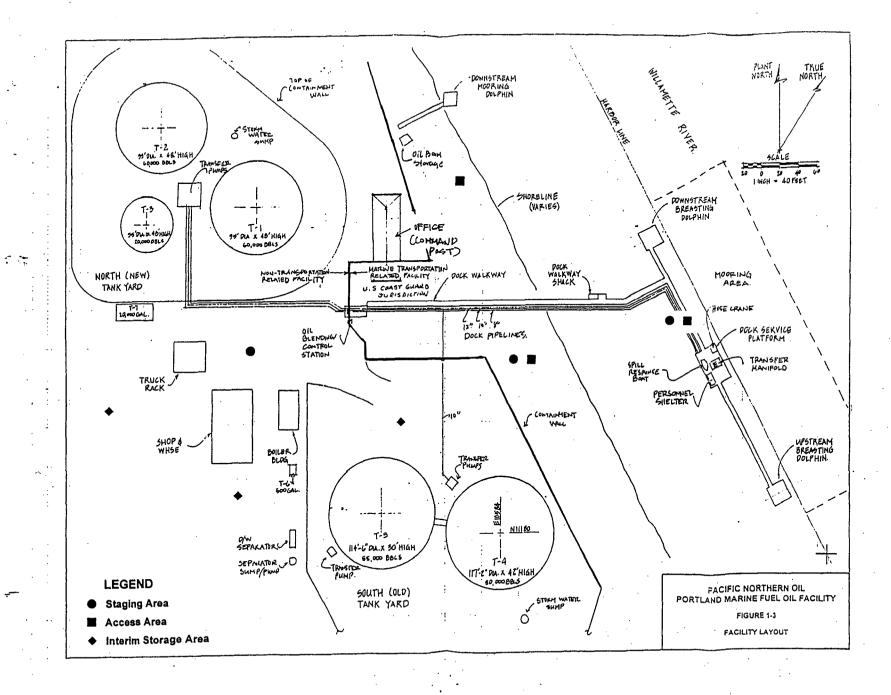
Page: Rev:

10

2 L1-07

Appendix C. FACILITY LAYOUT DRAWING

(Attached)





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Appendix D. MATERIAL SAFETY DATA SHEETS

5420 Old Orchard Road, Skokie, Illinois 60077-1030 847/965-7500 **800/522-2CTL** Fax: 847/965-6541

September 23, 1999

Bill Meisinger Koppers Industries 436 Seventh Avenue Pittsburgh, PA 15219-1800

Testing Grout Cubes Stored at Elevated Temperatures

Dear Bill:

As requested in your purchase order number 15-9-13062 dated May 20, 1999 and our various telephone conversations, CTL has carried out a set of tests to assess effects of high temperatures on a hardened grout to be used to construct a tank foundation. The requirements and test regime were given in a contract specification provided by Koppers.

MATERIALS

A one gallon pail of "Tectonite" was delivered to CTL on August 16, 1999. The container included recommended mix proportions which were used to prepare twelve 2-inch cubes in accordance with ASTM C 109 procedures where applicable.

The specification required the cubes be cured at 100% relative humidity for 7 days after casting, followed by another 7 days in sealed plastic bags. It was agreed by the client and the manufacturer that the curing period could be shortened. Therefore the samples were cured at 100% relative humidity for 7 days after casting, followed by 3 days in sealed plastic bags.

TESTS

The following is a summary of the test regime that was agreed on in discussion between Koppers and CTL.

Three cubes were tested in compression in accordance with ASTM C 109 at an age of 10 days. At an age of 10 days, nine samples were placed in an oven at room temperature and the temperature was increased at a rate of 75°F per day to a maximum of 450°F and then held at that temperature. After the initial 7 day heating, and after an additional 6 and 13 days in the fully heated oven, three cubes from each set were moved into another oven at 450°F that was then switched off and allowed to cool to room temperature for 24 hours. After cooling, the samples were tested (dry).

RESULTS

The results are given in the following table:

Age at test, days	Storag e	Compressive strength, psi	Percentage of 10 day unheated strength
10	Wet cure	8,490	100
17	7 day in heating oven	4,770	56
23	6 days at 450°F	4,690	55
30	13 days at 450°F	4,240	50

Discussion

The project specification required a minimum compressive strength of 3,000 psi for samples stored for 13 days at 450°F. The cubes tested complied with this requirement.

We appreciate having this opportunity to be of service to you.

Sincerely yours,

Peter C. Taylor Ph.D.

Engineer

Materials Engineering and Consulting

ptaylor@c-t-l.com

PCT/186007



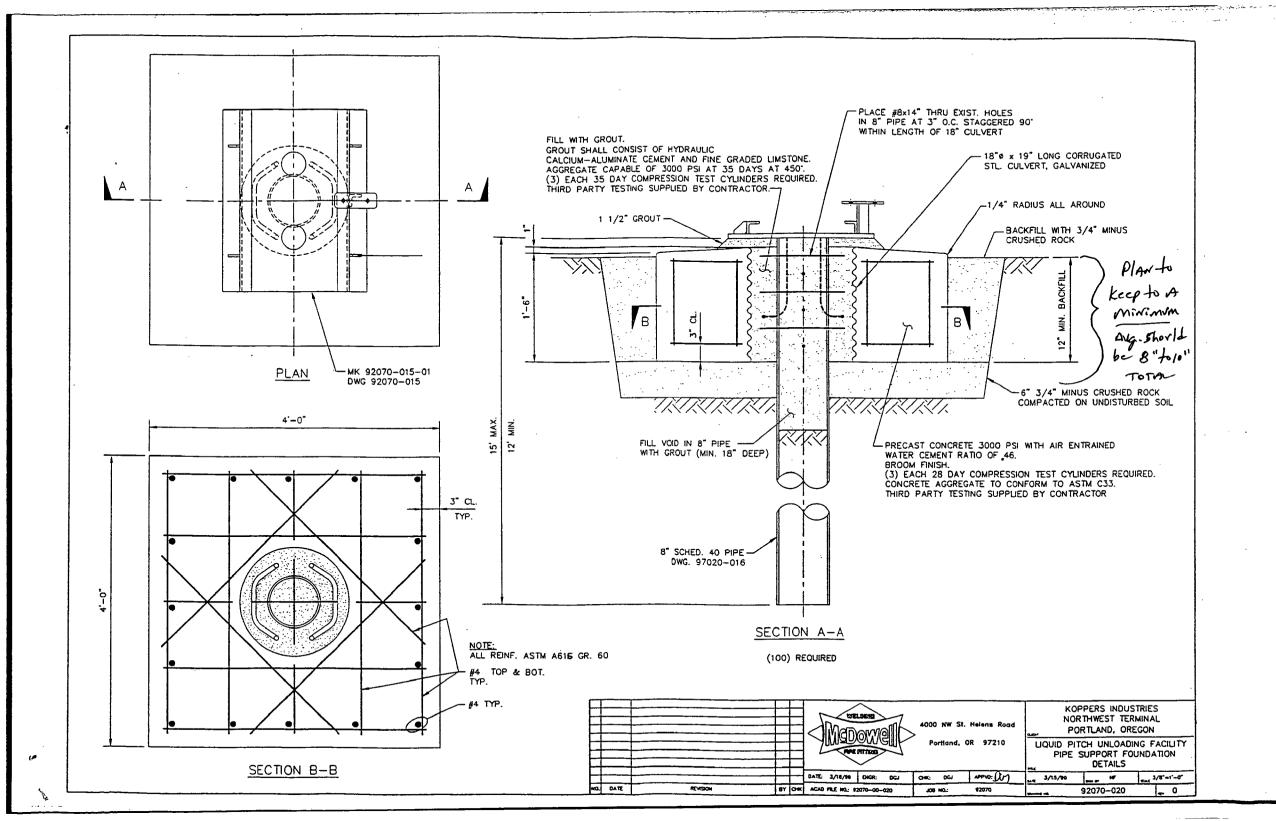
FAX TRANSMITTAL

Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, OR 97210-3663

TO: S. HART, NW NATURAL	Telephone: 503-286-3681 DATE: 4/7/99 Fax: 503-285-2831
FROM: Amos	TOTAL # OF PAGES: /
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IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

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Post-It™ brand fax transmittal memo 7671 # of pages ▶

285- 2831

April 2, 1999

Mr. Amos K. Kamerer Koppers Industries, Inc. 7540 N.W. St. Helens Road Portland, Oregon 97210

Dear Mr. Kamerer:

I understand you are ready to proceed with construction of your planned business expansion.

As written approval, this letter satisfies the requirement of Section 5, Leasehold Improvements and Personal Property, 5.1-Existing Improvements.

Please le me know if you need anything further.

Very truly yours,

Sandra K. Hart, Manager Risk Environment & Land

SKH:jd

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Please le me know if you need anything further.

Very truly yours,

Sandra K. Hart, Manager Risk Environment & Land

SKH:jd

3-16-98: Performed on-site steady state load test, per factory recommendation, and documented operational parameters of heater. Generated report for new findings and faxed to American Heating factory for analysis.

Labor (Greg): 2.0 hrs ST

3-17-98: Finalized Service Report and Load Test Summary.

Labor (Greg): 2.5 hrs ST

PONDER BURNER COMPANY

10521 N. Lombard . Portland, Oregon 97203 . (503) 286-1235 FAX (503) 286-1871



Load Test Summary

A steady state load test was conducted on the American Heating oil heater at the Koppers Industries facility in Portland, Oregon. Prior to this test, the oil heater burner was serviced and tuned to achieve maximum performance based upon the documented input for the oil heater. Refer to the attached Service Report and Combustion Report for details.

The methodology of the steady state load test was as follows:

- 1. Temperature and pressure measurement instrumentation was installed on the thermal fluid side of the oil heater. All points of measurement utilized existing pressure connections and thermowells.
- 2. The fuel input for the burner on the oil heater was measured via the dedicated natural gas meter at the oil heater location. The accuracy of this meter was verified by correlating the flow with the plant gas meter maintained by natural gas utility.
- 3. All pumping equipment for the heater was started, and a temperature set point of 530° F. was achieved and maintained for approximately 30 minutes with the temperature controller in a manual operating mode (to hold the firing rate steady) before any operating parameters were documented.
- 4. All operating parameters were documented once a steady operational state had been achieved. Operating parameters were then documented every 15 minutes to verify that all parameters were steady.

The operating parameters of the heater and relevant pumping equipment during the steady state load test is documented on the attached Steady State Load Test and Pump Status – Loop Temperatures spreadsheets.

The oil heater was operated at approximately 100% firing rate capacity (input) during the Steady State Load Test, at an ambient temperature of 64° F. The combustion efficiency of the heater, based upon the documented combustion parameters, is 76.7%. The heat transfer efficiency of the heater is 85%, based upon the lower heating value of the fired fuel.

Based upon the findings from the steady state load test, the existing oil heater has approximately 0% remaining capacity. It is suspected that the existing heater capacity is insufficient during winter months when the oil heater is required to simultaneously perform heating duties for both T-65 and T-68, in addition to maintaining temperature in the trace loops (Pump #5 and Pump #6).

Steady State Load Test

Customer: Koppers Industries, Portland Plant

Equipment: American Heating Oil Heater w/Power Flame burner

Fuel: Natural gas

Controller output - %	70
Ambient temperature - deg. F.	64
Oxygen - %	4.1
Excess air - %	24
Carbon monoxide - ppm	0
Oxides of nitrogen (NOx) - ppm	35
Stack temperature (net) - deg F.	605.3
Carbon dioxide - %	9.5
Combustion efficiency - %	76.7
Firing rate - MMBtu/hr	8.1
Oil temperature (inlet) - deg. F.	478
Oil temperature (outlet) - deg. F.	531
Pressure (inlet) - psig	60.5
Pressure (outlet) - psig	5.0

American Heating oil heater, model AHE 700, serial no. 212

Power Flame burner, model HAC5-GO6, serial no. 109156206, invoice 92569

Thermal transfer fluid: Caloria HT 43

Pump Status - Loop Temperatures

Customer: Koppers Industries, Portland Plant

Equipment: American Heating Oil Heater w/Power Flame burner and related pumping equipment

Fuel: Natural gas

Trace Pump #5	Running
Trace Pump #6	Running
T-68 Pump #4	Running
T-65 Floor Coil Pump #1	Running
T-65 Wall Coil Pump #3	Running
Oil Heater Circ. Pump #2	Running
T-68 Sidewall Temp deg F.	511
T-65 - Upper Temp deg. F.	365
T-65 - Middle Temp deg. F.	363
T-65 - Lower Temp deg. F.	363
T-68 - Upper Temp deg. F.	432
T-68 - Lower Temp deg. F.	432
Trace Loop Temp (return) - deg. F.	455

American Heating oil heater, model AHE 700, serial no. 212

Power Flame burner, model HAC5-GO6, serial no. 109156206, invoice 92569

Thermal transfer fluid: Caloria HT 43

Data compiled by G. English on 3-16-98

Ponder Burner Company - Pump-Temp - AHC - GE

Combustion Report

Customer: Koppers Industries - Portland

Equipment: American Heating Oil Heater

Fuel: Natural gas

	· · · · · · · · · · · · · · · · · · ·		T
Controller output - %	()	50	100
Firing rate - MMBtu/hr	2.1	6.4	8.2
Oxygen - %	8.7	4.3	3.9
Carbon monoxide - ppm	15	3	2
Oxides of nitrogen (NOx) - ppm	33	30	28
Stack temperature - deg F.	490	560	600
Fuel pressure at burner - inches w.c.	~ ()	4.0	5.0
Fuel pressure D.S. fuel train - inches w.c.	17.2	11.1	8.6
Fuel pressure D.S. main regulator - inches w.c.	17.5	17.2	17.0
Fuel supply pressure - psig	9.75	9.6	9.5
Oil heater inlet pressure - psig	ıı/a	n/a	60.5
Oil heater outlet pressure - psig	n/a	n/a	3.75
Oil heater inlet temperature - deg. F.	n∕a	n/a	451
Oil heater outlet temperature - deg. F.	n/a	n/a	503

American Heating Oil Heater, model AHE 700, serial no. 212

Power Flame burner, model HAC5-GO6, serial no. 109156206, invoice 92569



INTEROFFICE CORRESPONDENCE

To:

P. Heal

From:

W. A. Meisinger

Location:

K-1650

Location: Harmarville Technical Center

Subject:

Portland Estimate

Date:

September 3, 1997

Attached is the detailed spread sheet estimate for Portland along with the summary sheets which I faxed to you today. Let me know if you need anything more.

W. Meisinger

c. J. Kunkle A. Kamerer

08/08/97

Engineering

Contingency

Portland Liquid Pitch Facility

Shared Facility

Dock and Unloading Pipeline
Fume System
Heating System
Food MT Pitch Tank Installation

Tank
Material Handling and Loadout

\$1,159,639
\$357,716
\$357,716
\$690,257

\$491,990 \$315,459 Portland Liquid Pitch Facility

Cost Estimate

09/03/97

D 1 4 11 1 P D P			
Dock & Unloading Pipeline: Pipeline		\$476,01	ς.
Dock		\$144.79	
Dock Access & Bridge		\$149.63	
Switchgear		\$100,00	
Instrumentation		\$50,00	
Lighting Motor Control Center/Componen		\$75,00	
Fire Protection	ILS	\$15,00	
Permitting		\$75,00	
. -		\$54,20	
Paving		\$20,00	U
•	Fot al \$	1,159,63	9
Fume Systém:			
Furne System		\$243,80	7
Switchgear		\$41,10	
Instrumentation		\$50,00	
Lighting		\$15,00	
Motor Control Components		\$7.80	
Woller Contact Competients		41,00	
•	Total	\$357,71	6
Heating System:			
Hot Oil Tanks & Circ. Pumps		\$465,25	
Switchgear		\$100,00	
Instrumentation		\$100,00	
Lighting		\$10,00	
Motor Control Components		\$15,00	00
	Total	\$690,25	57
Tank:			
Pitch Tank		\$333,88	39
Foundation		\$154,52	
Yard Slab & Curbing		\$69,39	
insulation		\$135,0	
Instrumentation		\$70,70	
Valves		\$6,4	
	Total	\$770,0	35
		• • • • • • • • • • • • • • • • • • • •	
Material Handling & Loadout:			^^
Pitch Pumps		\$40,0	
Motor Control Components		\$15,3	
Piping		\$98,2	
Truck Loading Stand & Piping		\$100,0	
Fume Piping		\$61,3	44
	Total	\$314,9	04
Engineering		\$491,9	90
Contingency		\$315,4	59

TOTAL PROJECT \$4,100,000

Author: JIM DIETZ at TECHCTR Date: 11/12/97 5:39 PM

Priority: Normal

TO: Steve Smith at PITT CC: Amos Kamerer at PITT

CC: BILL MEISINGER

CC: Bill Swearingen at PITT

CC: BOB WOMBLES

Subject: Re[3]: Portland Terminal Pitch Unloading

------ Message Contents

Steve,

Thanks for your comments. I will try to answer some of the questions now but will forward this e-mail to TarTech for any additional comments. I thought Bill had a flowsheet of the process but I will mail you a copy directly.

1. Emergency Shutoff Valves

- A) Pitch Service When there is more than one tank there will be automated valves to direct the flow. I think your primary concern is when the pitch line-up is made and if the full line backflows into the ship's hold. This may happen in a pump shutdown. The ship would be immediately aware of this, but we should explore the consequences. A pressure switch connected to an automated valve is an option. A check valve won't work but we might automate the dock valve.
- B) Hot Oil Service I failed to mention that we had planned to install differential oil flow meters on the line leading to the dock with automated shutoff should any difference in flow of oil be detected.
- Contained Pipe Any scheme that adds connections to the pipe, e.g, double wall, would be a source of error in pipe stress calculation because of increase difficulty. I want to avoid this like the plaque.
- 3. Secondary Containment Certainly, with a large cost increase, we could trough under all the piping over the waterway. Amos would have to check and drain the trough though and this seems impractical. I would sooner concentrate on better sealing and heavier design of an insulation cover that might have a designated drip point. This gives us something to think about.
- 4. Ship Movement I don't think with the training on ship that this can happen and I bet there are safeties against the mooring winches from moving with valves open. We can, of course, pose this question.

I think all of these issues would come up during a HAZOP study.

Thanks again,

Author: Steve Smith at PITT Date: 11/12/97 1:01 PM

Priority: Normal

CC: Bill Swearingen at PITT
CC: Amos Kamerer at PITT
CC: Randy Collins at PITT
CC: BOB WOMBLES at TECHCTR

CC: Kevin Fitzgerald at CHIMAIN

CC: Tom Golubic at PITT TO: JIM DIETZ at TECHCTR

Subject: Re[2]: Portland Terminal Pitch Unloading

Jim,

I am pleased and not surprised to see that you are well ahead of me. I offer the following questions or suggestions for consideration.

What emergency type valves can be installed on the land side to automatically shut off flow in the case of a break over the water? If we will only be unloading, check valves could prevent backflow from piping on land. Low pressure shut-offs are used in some situations.

Does double wall pipe within a pipe system offer significant benefit? Or does it add counterproductive complication?

Can or should provision for secondary containment be made for the whole pipe system or for particular parts of it? Your plan seems well developed to prevent a pipe failure in the first place, but what plans are in place to minimize the impact if such a failure could happen anyway.

What equipment can/should be used to address the hazard of the ship moving away while connected?

Thanks for allowing me this opportunity to question.

Steve.

Reply Separator

Subject: Re: Portland Terminal Pitch Unloading

Author: JIM DIETZ at TECHCTR Date: 11/10/97 2:10 PM

Steve,

The idea of spill prevention for this project has of course been my concern as well from the beginning, however, we must deal with the risk that any water operation presents. Other than local environmental sensitivity, I am not sure why we should treat this installation any different than Follansbee's or Stickney's barge facilities.

Having said that, it was my intent to approach the piping design as follows:

- Have the piping design performed and thermally analyzed for stress by an Oregon registered marine/mechanical engineer. This includes a review of all marine or local code requirements. I believe are greatest risk to be the thermal cycling of the hot oil piping and the maintenance required.
- Specify that all process piping within 100 feet of the waterway be 100% x-rayed at the joints.
- 3. The hot oil piping design will include provision for no fittings to be over the water.
- 4. Request both TarTech and Koppers Australia to review the designs and specifications.

For this kind of project, we would of course perform a HAZOP analysis but we have not discussed, nor been advised by an agency of, the need for a quantitative risk assessment.

While we are not proceeding with this project at this time because of required further business development, I will make some inquiries with regards to inspection requirements, maintenance inspections or maintenance/construction personnel qualifications by agencies such as the Coast Guard.

Please give me your thoughts on this approach.

Jim

Reply Separator

Subject: Portland Terminal Pitch Unloading

Author: Steve Smith at PITT Date: 11/6/97 5:23 PM

Jim,

Based on very limited understanding of work planned at Portland to unload pitch from ocean vessels, I want to express concern for spill prevention design. A spill into the river would present a serious environmental problem and would be a dissaster to KII. I would like to discuss with you design standards included to minimize to the maximum extent the potential for and severity of any spill.

Since neither Bill nor I are experts in design of such marine facilities, I would like assurance that an expert is involved in review and approval of the design.

Please call at your leasure to discuss.

Steve.

Author: JIM DIETZ at TECHCTR Date: 11/10/97 2:10 PM

Priority: Normal

CC: Bill Swearingen at PITT
CC: Amos Kamerer at PITT
CC: Randy Collins at PITT
TO: Steve Smith at PITT

CC: BOB WOMBLES

CC: Kevin Fitzgerald at CHIMAIN

CC: Tom Golubic at PITT

Subject: Re: Portland Terminal Pitch Unloading

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_ Reply Separator ___

Subject: Portland Terminal Pitch Unloading

Author: Steve Smith at PITT